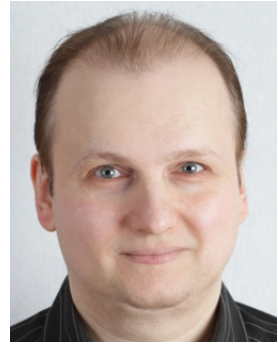


## Jörg Müller

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50321 Brühl  
Germany

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mail [skill@topsys.net](mailto:skill@topsys.net)  
web <http://www.topsys.net>



Dear Sir or Madam,

with many years of experience in information technology and comprehensive Java backend expertise, I can offer you profound know-how to drive your projects forward in a targeted manner. In recent years, I have successfully developed secure and scalable architectures, significantly improved project performance and implemented sophisticated security solutions that meet the highest standards.:

- **Java architect and backend specialist** I develop stable and scalable architectures based on future-proof standards.
- **Efficient performance optimization** Runtime, stability and speed are my top priorities - your projects not only run securely, but also efficiently and cost-effectively in cloud space (micro services).
- **Security expert** Software is consistently secured by me against hacker attacks.
- **Team spirit and clear communication** I quickly understand and communicate complex interrelationships, which makes collaboration easier and gives you a transparent project overview.

Through continuous training and the use of modern technologies, I recognize potential for optimisation at an early stage and develop solutions that are safe, easy to maintain and adaptable in the long term. I look forward to explaining in a personal meeting how I can contribute to the success of your project with my experience and current know-how.

*'Information is not knowledge. The only source of knowledge is experience.' [Albert Einstein]*

Creativity, quality, project experience and last but not least my integrity made me an integral part of numerous companies. I could be part of your team as well, payment for results in your favour.

I am looking for interesting, challenging projects as a freelancer.  
This does NOT exclude a long-term trustful cooperation.  
For me a self-reliant lifestyle, for you a convenient billing via invoice.

Please do not hesitate to contact me in case of any questions.

Sincerely



On my application homepage <http://application.topsys.net> you will find

- my most recent curriculum vitae
- my skills (searchable via database)
- my project list (also partial extracts via skill filter)
- my complete PDF profile
- a traffic light with my availability

# FULL STACK DEVELOPER

The fashionable term "full stack developer" refers to the know-how in the area of front-end and back-end technologies. Today, front-end development usually only includes "web software" (often only HTML, CSS and JS), which a full-stack developer can develop together with the "server software" (often only PHP and SQL).

My knowledge is much more comprehensive: the development of real desktop software, own web servers, the development of own operating systems... up to the development of own hardware and computers.

This knowledge about the internal processes allows me to develop performance- and hardware-optimized code. This is even possible in a hardware independent programming language like JAVA. As an example, the timing of the communication is important for the Mobile APPs in order to save battery power.



## Desktop-Software

- Development of accounting programs according to order
- Porting "Giana Sisters" in coproduction
- Implementation of an archiving system
- Offline data maintenance tool eTabler, Multitasking Java-Session Server
- HOTdoc - XML/DTD based offline web content management application
- Freelancer intranet medical practice software/health card
- Co-development of a CRM system for industry and wholesale
- PHOTUX-Client - Offline Photo Product Editor for designing photo books
- Clexane trombose management programm
- data2print - System for creating and processing personalized PDF documents
- Avalox COPD-Tool
- CSII-Expertise
- Hypertonie Documentation tool
- Print data personalization & PDF composition software
- Identification and evaluation of trading strategies for the stock market
- Frontend for document aggregation

Amiga Basic (structured), Apache FOP, Apache Web-Server, ASP, Image processing techniques, BTRieve database, Commodore Amiga, Commodore Basic, Commodore C64, Content management CMS, Deeplearning, Desktop application, Document Processing, Document-Processing, Printing technology, Prepress, DTP, "real" client software, GIT, Graphic programming, Html, Http protocols, iText, J2EE, Java, Java, Java Servlets, Java Swing, JDBC, JEE, Jira, Maven, MS-Sql, MS-Transaction Server, MySQL, Netware network programming, PDF, PDF-Templating, PHP, Postgres, PS, Real Basic (structured), SAP environment, Scanner integration, Interface specification, ServerSockets, Server software / Content management, Sessiontracking, Shell, Game programming, Bar code, Threads, Tomcat, VIPP, Visual Basic, web2obj, Web service, Web-Templating, Xerox Docucolor, Xerox IGEN, XML, XML-FO



## WEB Clients

- Design and programming of a travel booking portal
- StadtKompass.de - Geographically oriented event portal
- Business Channel
- Vehicle sales portal Nutzfahrzeugfinder.de
- EMail game content management system/access rights
- Web based content management system
- Implementation CMS for the internet portal "Geldidee"
- mypepa - online portal for the design of photo books
- Development online photo book portal
- web2obj - small footprint web-server
- PHOTUX-Relay - Cloud-based server infrastructure for order / print data acceptance
- PHOTUX-Prepress - web-based system for orders, print data generation, production control
- Realization of the internet portal Billig-Flieger-Vergleich.de
- Website "golf comparison"
- Prevention Guide
- Web based statistical system "Try And Play"
- Coupling and single sign login of various components for the web-platform of "Young Woman's Magazine"
- CMS for dynamic generation of static pages
- Development of the "flying dinner" internet community
- Development "Queryserver"
- Internet book price calculator for publisher/printing/bindery
- xww - web/tablet based production control
- Facebook data interface for events
- IoT configuration web interface
- Certificate management
- Facebook Screen-Scraper



## Mobile APPs

- Android App LOOKOO.de
- PHOTUX-Track - Android shipping control
- Android telephony app
- Further development of a house control app

Android, Ansi C, Butterknife, CI/CD, Confluence, Dagger, Database modeling, Espresso, GIT, Glide, Gradle, Http protocols, Jackson2, Java, Jenkins, Jira, Junit, Kotlin, Maven, Mobile APPs, Mockito, PDF-Templating, ReactiveX/RxJava, Rest, Retrofit, Interface specification, Scrum, SIP Protocol, Sockets, bar code, SVN, Web-Objects, Web service, XML

- Implementation of an UpdateManagement configuration system
- Online Course Editor
- Development of entry and processing of "hardship case" for authorities
- Sailschool-/Charter-/Landtours-Cyprus.com
- Development of form system for governments

Amazon Cloud AWS, Angular 6, Ansi C, Apache FOP, Apache Web-Server, Image processing techniques, CI/CD, Confluence, Content management CMS, CSS, Databases, Database modeling, Docker, Document Processing, Document-Processing, Documentation, Prepress, Facebook Open-Graph, Remote administration, Geographically oriented data management, GIT, GWT, Html, Http protocols, IBM-PC compatible, Internet, IPS/Openmarket, iText, J2EE, Java, Java, JavaCC, Java Hibernate, Java NIO, JavaScript JS, JavaServer Faces JSF, JavaServer Pages JSP, Java Servlets, Java Spring, JBoss, JDBC, JEE, Jetty, Jira, JSON, Linux, Linux Administration, Lucom, Maven, MS-Sql, MySQL, OAuth, Open Market Content Management, Oracle DB, PDF, PDF-Templating, Perl, PHP, Postgres, ReactiveX/RxJava, Rest, RestFB, SAML Protocol, SAP environment, Interface specification, SCSS, Security, ServerSockets, Server software / Content management, Sessiontracking, sFTP, Sockets, Threadpooling, Threads, Tomcat, Typescript, Typo3, web2obj, Web application, WEB Clients, Weblogic, Web-Objects, Web service, Web-Templating, XML, XML-FO

## Server Software / Content Management

- Business Channel
- Production control, connection to merchandise management
- web2obj - small footprint web-server
- PHOTUX-Relay - Cloud-based server infrastructure for order / print data acceptance
- PHOTUX-Prepress - web-based system for orders, print data generation, production control
- data2print - System for creating and processing personalized PDF documents
- Realization of the internet portal Billig-Flieger-Vergleich.de
- Coupling and single sign login of various components for the web-platform of "Young Woman's Magazine"
- CMS for dynamic generation of static pages
- Development "Queryserver"
- xwv - web/tablet based production control
- Facebook data interface for events
- Online Course Editor
- System Architecture Datawarehousing

Apache FOP, Apache Web-Server, Image processing techniques, CI/CD, Content management CMS, CSS, Database modeling, Desktop application, Document-Processing, Documentation, Printing technology, Prepress, DTP, "real" client software, Facebook Open-Graph, Remote administration, Geographically oriented data management, GIT, GWT, Html, Http protocols, IPS/Openmarket, iText, Java, Java, Java NIO, JavaScript JS, JavaServer Faces JSF, JavaServer Pages JSP, Java Spring, Java Swing, JDBC, JEE, Jira, JSON, Linux, Linux Administration, Maven, MySQL, Open Market Content Management, PDF, PDF-Templating, Perl, PHP, Postgres, Rest, RestFB, Interface specification, Security, ServerSockets, Server software / Content management, Sessiontracking, sFTP, Sockets, SQL, Threadpooling, Threads, Typescript, VIPP, web2obj, Web application, WEB Clients, Web service, Web-Templating, Xerox Docucolor, XML, XML-FO

## own operating systems

- Own operating system for mobile data collection device
- Sensor evaluation for hot runner safety system
- IoT radio module ("Dashbutton") with battery charging via USB

- IoT sensor module (temperature / humidity)

Analog Technology, Ansi C, Design of complex control systems, C++, dynamic radio network protocol, own operating systems, Electronics development, ESP-Microcontroller, FreeRTOS, Radio communication, Gatter, Hardware development / electronics, Li-Ion charging technology, MicroChip PIC-Microcontroller, Mikroprozessoren, PIC-16 Assembler, Circuit board layout, Preemptive multitaskingsystem, Circuit design, Circuit design, Interface specification, Threads, Visual C/C++, XC8



## Hardware development / electronics

- Development of a portable input device with radio transmission
- Racing car engine control prototyping
- Contract development for a biometrics manufacturer Fingerprint
- IoT radio module ("Dashbutton") with battery charging via USB
- IoT sensor module (temperature / humidity)

ABEL-Logikbeschreibung, Analog Technology, Ansi C, Design of complex control systems, Image processing techniques, C++, Design of ISA cards, Design von PCI-Karten, own operating systems, Electronics development, ESP-Microcontroller, FreeRTOS, Radio communication, Gatter, H300-Assembler, Hardware development / electronics, Hitachi-Microcontroller, Lattice FPGA, Li-Ion charging technology, MicroChip PIC-Microcontroller, Mikroprozessoren, PIC-16 Assembler, PIC-1742 Assembler, Circuit board layout, Circuit design, Circuit design, Interface specification, Threads, Turbo Pascal, XC8

## KNOW-HOW

Since January 2000 I have been operating my own Internet server in 24/7 operation with self-assembled hardware.

- 19" server rack technology, hardware raid 5, multiprocessor systems
- Security aspects through the defense against numerous hacker attacks
- Anti-Spam Relay defense techniques
- complete remote administration through operation in external data centers
- Multi-level backup concepts
- Suse Linux from V5.2 (I have been using Unix since 1989), Debian (V4 "Edge" up to V9 "Stretch")

### TOP 30 of my expertise by duration



- |                                      |  |
|--------------------------------------|--|
| 1 Tomcat (24 years)                  | 16 Java NIO (18 years)                   |
| 2 JavaServer Pages JSP (24 years)    | 17 ServerSockets (18 years)              |
| 3 Security (24 years)                | 18 Http-Protokolle (18 years)            |
| 4 Apache Web-Server (24 years)       | 19 Threadpooling (18 years)              |
| 5 Java Servlets (24 years)           | 20 web2obj (18 years)                    |
| 6 Fernadministration (24 years)      | 21 iText (18 years)                      |
| 7 Web-Applikation (24 years)         | 22 Druckvorstufe (18 years)              |
| 8 Java (24 years)                    | 23 Bildverarbeitungstechniken (18 years) |
| 9 Linux (24 years)                   | 24 DTP (18 years)                        |
| 10 XML (23 years)                    | 25 PDF-Templating (18 years)             |
| 11 Desktop-Applikation (23 years)    | 26 Web-Templating (18 years)             |
| 12 Postgres (23 years)               | 27 Web-Service (18 years)                |
| 13 Java Swing (23 years)             | 28 Document-Processing (18 years)        |
| 14 Content Management CMS (23 years) | 29 PDF (18 years)                        |
| 15 JDBC (23 years)                   | 30 VIPP (18 years)                       |






### Programming/description languages

In the course of my many years of IT practice, I learned the following programming/description languages.

- **Assembler:** 6502 Assembler, 8085 Assembler, ARM-610 Risc-Assembler, ARM-710 Risc-Assembler, Assembler 68000, H300-Assembler, PIC-16 Assembler, PIC-1742 Assembler
- **Basic:** Amiga Basic (structured), Commodore Basic, Real Basic (structured), Visual Basic
- **C:** Amiga C, Ansi C, C++, Gnu C/C++, Visual C/C++, Watcom C/C++, XC8
- **Databases:** Btrieve database, Database modeling, JDBC, MS-Sql, MS-Transaction Server, MySQL, Oracle DB, Postgres, SQL
- **Document Processing:** Apache FOP, Image processing techniques, Document-Processing, Prepress, IPS/Openmarket, iText, Open Market Content Management, PDF, PDF-Templating, PS, VIPP, XML, XML-FO
- **Electronics:** ABEL-Logikbeschreibung, Analog Technology, Design of complex control systems, Design of ISA cards, Design von PCI-Karten, FreeRTOS, Radio communication, Gatter, Hitachi-Microcontroller, Lattice FPGA, Mikroprozessoren, Circuit design
- **Internet:** Apache Web-Server, ASP, CSS, Deeplearning, GWT, Html, Http protocols, IPS/Openmarket, JBoss, Netware network programming, Networks/Mail/Internet, Open Market Content Management, PHP, ServerSockets, Sessiontracking, Sockets, Threadpooling, Tomcat, web2obj, Weblogic, Web-Objects, Web service, Web-Templating
- **Java:** Espresso, J2EE, Jackson2, Java, JavaCC, Java Hibernate, Java NIO, JavaScript JS, JavaServer Faces JSF, JavaServer Pages JSP, Java Servlets, Java Spring, Java Swing, JBoss, JDBC, JEE, JSON, Junit, ReactiveX/RxJava
- **Pascal:** Pascal, Topspeed Modula, Turbo Pascal
- **Project management:** CI/CD, Confluence, GIT, Gradle, Jenkins, Jira, Maven, Scrum, SVN
- **Shell:** Bash, Perl

# CURRICULUM VITAE

09.03.1969	<b>Born in Düsseldorf/Germany</b>
Nov. 1974	<b>Primary school in Lüneburg and Kempten/Allgäu</b>
Dec. 1977	<b>High school "Hildegardis-Gymnasium" in Kempten/Germany</b>
Jun. 1980 – 22.05.1989	<b>High school "Rats-Gymnasium" in Münster/Germany</b>
1982	<b>Computer Commodore C64</b> <b>Software:</b> 6502 Assembler, Commodore Basic <b>Hardware:</b> Commodore C64
1984	<b>Programming of shop window demos and conversion tools</b> <b>Software:</b> Commodore Basic, Graphic programming
1984 – 1989	<b>High school computer science lessons, continuous grade "1"</b> <b>Software:</b> Basics of IT, Logo, Turbo Pascal <b>Hardware:</b> Basis 108, IBM-PC compatible, internal computer construction
1985 	<b>Development of accounting programs according to order</b> <b>Software:</b> Amiga Basic (structured), Commodore Basic, Desktop application <b>Hardware:</b> Commodore Amiga, Commodore C64
1986	<b>Voluntary high school, digital electronics internship</b> <b>Hardware:</b> Gatter, Mikroprozessoren, Circuit design
1987	<b>Customer consulting and training at a computer retailer</b> <b>Software:</b> ARM-610 Risc-Assembler <b>Hardware:</b> Acorn Archimedes Risc-Computer, Reparaturen PC-Kompatible <b>Client/end customer:</b> Micro Computer Weber GmbH
1987	<b>Commodore Amiga 2000</b> <b>Software:</b> Amiga Basic (structured), Ansi C, Assembler 68000 <b>Hardware:</b> Commodore Amiga
1988 	<b>Porting "Giana Sisters" in coproduction</b> <b>Software:</b> Desktop application, Graphic programming, Game programming <b>Client/end customer:</b> Escal Software GmbH
1989	<b>Computer Acorn Archimedes 410</b> <b>Hardware:</b> Acorn Archimedes Risc-Computer
09.03.1989	<b>Business registration "Distribution of computer systems and accessories"</b>
22.05.1989	<b>High school graduation (advanced courses in mathematics, physics) Ø3.3</b>
Oct. 1989 – 17.09.1996	<b>University of Koblenz-Landau/Germany "Diploma Computer Science"</b> <b>Software:</b> Ansi C, Hope (functional language), Sun-Unix, Topspeed Modula <b>Hardware:</b> IBM-PC compatible, Sun Workstation
1990	<b>Unix Computer Acorn R140</b> <b>Software:</b> Acorn-Unix, ARM-710 Risc-Assembler, C++, Unix <b>Hardware:</b> Acorn Archimedes Risc-Computer, Acorn R140-Risc-Workstation


Jan. 1991		<b>Authorization as a reseller for Acorn computers</b> <b>Software:</b> Prepress, DTP <b>Hardware:</b> Printing technology
Apr. 1991		<b>Diploma in the practical part "technical informatics" assessment 1.2</b> <b>Software:</b> 8085 Assembler <b>Hardware:</b> Analog Technology, Design of complex control systems, electrical engineering basics
1992 – 1994		<b>Management of the hardware internship over 4 semesters at the university. Acquisition of didactic skills</b>
1992		<b>Design and programming of a travel booking portal ...</b> <b>Software:</b> CSS, Database modeling, Html, JavaServer Pages JSP, Perl, PHP, Web application <b>Hardware:</b> IBM-PC compatible <b>Client/end customer:</b> Travix GmbH, DER-Tours GmbH
1994		<b>Computer Acorn Risc PC 600</b> <b>Hardware:</b> Acorn Archimedes Risc-Computer, Acorn Risc-PC workstation
1995		<b>Implementation of an archiving system ...</b> <b>Software:</b> Btrieve database, Desktop application, Netware network programming, Visual Basic <b>Client/end customer:</b> Wolf & Simonis GmbH
Mar. 1995		<b>Development of a portable input device with radio transmission</b> <b>Software:</b> ABEL-Logikbeschreibung, H300-Assembler, PIC-1742 Assembler <b>Hardware:</b> Design of ISA cards, Electronics development, Hitachi-Microcontroller, Lattice FPGA, MicroChip PIC-Microcontroller
May. 1996		<b>Suse Linux 4</b> <b>Software:</b> Java, Linux Administration, Networks/Mail/Internet, Suse Linux
Jul. 1996		<b>Own operating system for mobile data collection device</b> <b>Software:</b> dynamic radio network protocol, Preemptive multitaskingsystem <b>Hardware:</b> Radio communication
Jul. 1996		<b>Move into "TechnologieZentrum Koblenz" after successful accreditation, development of a mobile data acquisition device</b>
Oct. 1997 – Apr. 1998		<b>Sensor evaluation for hot runner safety system ...</b> <b>Software:</b> C++, Visual C/C++ <b>Client/end customer:</b> SST GmbH, Deutsche Bahn AG
Feb. 1998 – Mar. 1998		<b>Racing car engine control prototyping ...</b> <b>Hardware:</b> Analog Technology, Design of complex control systems, Electronics development, Circuit board layout <b>Client/end customer:</b> Visteon AG, Ford Automotives AG
03.06.1998 – 25.11.1999		<b>Contract development for a biometrics manufacturer Fingerprint ...</b> <b>Software:</b> Ansi C, Image processing techniques, C++, Turbo Pascal <b>Hardware:</b> Design von PCI-Karten, Electronics development <b>Client/end customer:</b> Berg Data AG, Thomson CSF
Jan. 2000 – today		<b>Own internet server on dedicated line (provider)</b> <b>Software:</b> Apache Web-Server, Remote administration, Java, JavaServer Pages JSP, Java Servlets, Linux, Security, Tomcat, Web application

**Hardware:** 19" Server, Industrie PCs, Raid

Jun. 2000 


**Offline data maintenance tool eTabler, Multitasking Java-Session Server**

**Software:** Desktop application, Java, Java Servlets, Sessiontracking, Threads

11.07.2000 – 2002 

**StadtKompass.de - Geographically oriented event portal ...**

**Software:** Apache Web-Server, Geographically oriented data management, Java, Java Servlets, JDBC, Postgres, Threadpooling, Web application


01.10.2000 – 31.12.2000 

**Business Channel ...**

Integration of the content management system "open market" to combine 5 websites (Börse-Online, Impulse, Finanzen, Capital, Bizz) into one large web portal "Business Cannel"


**Software:** Content management CMS, Documentation, Html, IPS/Openmarket, Java, JavaServer Faces JSF, JavaServer Pages JSP, Open Market Content Management, Perl, Interface specification, Web application, XML

**Client/end customer:** BFL GmbH, Mphasis Europe B.V., Gruner & Jahr AG

01.04.2001 – today 

**HOTdoc - XML/DTD based offline web content management application**


**Software:** Apache Web-Server, Content management CMS, Desktop application, Java, Java Servlets, Java Swing, JDBC, Postgres, Tomcat, XML

01.05.2001 – 30.09.2001 

**Freelancer intranet medical practice software/health card ...**

**Software:** ASP, Desktop application, Html, MS-Sql, MS-Transaction Server

**Client/end customer:** med medicine online GmbH


23.05.2001 – 15.07.2002 

**Vehicle sales portal Nutzfahrzeugfinder.de ...**

Agency portal (à la AutoScout24) for the sale of commercial vehicles of all kinds.

**Software:** Apache Web-Server, Image processing techniques, Content management CMS, Database modeling, Html, J2EE, Java, JDBC, JEE, Linux, Linux Administration, PHP, Postgres, Interface specification, Security, Tomcat, Web application, Web-Templating

**Client/end customer:** nutzfahrzeugfinder GmbH


19.09.2001 – 17.10.2001 

**EMail game content management system/access rights**

ALWS specification and implementation

**Software:** Content management CMS, Database modeling, Document-Processing, Documentation, Java, JDBC, Interface specification, Web application

**Client/end customer:** BoST GmbH


17.08.2002 – 13.09.2002 

**Web based content management system ...**

Realization of a web based content management system for the "learning workshop" with a flexible categorization of the articles and mapping of different categories on the page navigation.

**Software:** Content management CMS, Java, JavaCC, JavaScript JS, Java Servlets, JDBC, MS-Sql, Postgres, Web application

**Client/end customer:** BoST GmbH, Volkswagen AG, Klett Verlag GmbH, Deutsche Verkehrswacht e.V.

02.06.2003 – 11.06.2004 

**Co-development of a CRM system for industry and wholesale ...**

**Software:** Apache FOP, Desktop application, Document-Processing, J2EE, Java Swing, JEE, MySql, PDF, PS, SAP environment, XML-FO

**Hardware:** Scanner integration, Bar code

**Client/end customer:** ARM GmbH

21.05.2004

**Wedding, registry office Hürth**


01.07.2004 

**Implementation CMS for the internet portal "Geldidee" ...**

**Software:** Content management CMS, Html, JavaScript JS, PHP, Rest, Typo3, Web application




**Client/end customer:** Bruno Media GmbH, Gruner & Jahr AG

01.08.2004 – 31.07.2005 

**mypepa - online portal for the design of photo books**

**Software:** Apache FOP, Apache Web-Server, Document-Processing, Prepress, Java, JavaScript JS, Java Servlets, JDBC, JSON, PDF, PDF-Templating, PHP, Postgres, Tomcat, Web application, XML, XML-FO


**Client/end customer:** mypepa GbR

01.03.2005 – 31.05.2005 

**Development online photo book portal**

**Software:** Java, Java Hibernate, JavaServer Pages JSP, Java Servlets, Java Spring, JBoss, PHP, Rest, Web application

**Client/end customer:** iplabs GmbH, CEWE Stiftung & Co. KGaA

Aug. 2005 – 30.09.2021 

**PHOTUX-Client - Offline Photo Product Editor for designing photo books ...**

Offline photo book editor including order module. Encrypted, packet-oriented data transmission, connection of payment providers, coupon / campaign system.


**Software:** Desktop application, Prepress, Graphic programming, Http protocols, iText, Java, Java Swing, PDF, PDF-Templating, PHP, ServerSockets, Web-Templating, XML

Oct. 2005 – 06.06.2006

**Production control, connection to merchandise management**

**Software:** PDF, XML


**Client/end customer:** Vondar IO Ltd.

Feb. 2006 – today 

**web2obj - small footprint web-server**

Resource-saving web server in Java, flexible URL/request mapping to Java objects, thread pooling, web socket delays (wait sockets).


**Software:** Http protocols, Java, Java NIO, ServerSockets, Threadpooling, Web application

24.05.2006 – 29.11.2007 

**Clexane trombose management programm**

**Software:** Desktop application, Real Basic (structured)

**Client/end customer:** Academy GmbH, Sanofi Aventis GmbH

May. 2006 – 30.09.2021 

**PHOTUX-Relay - Cloud-based server infrastructure for order / print data acceptance ...**

Order data acceptance of encrypted data packets for photo book orders from several redundant servers for the purpose of load distribution / reliability.


**Software:** Prepress, Remote administration, Http protocols, Java, Java NIO, Linux, Linux Administration, Interface specification, Security, ServerSockets, Sockets, Threadpooling, Threads, web2obj, Web application, Web service

Jun. 2006 – 30.09.2021 

**PHOTUX-Prepress - web-based system for orders, print data generation, production control ...**

Order data retrieval, decryption, exclusion of the photo book pages on printed sheets, print data handling, production control, campaign control, automatic payment posting via account statements.

**Software:** Apache FOP, Apache Web-Server, Image processing techniques, Prepress, Http protocols, iText, Java, JDBC, JEE, Linux, Linux Administration, PDF, PDF-Templating, Postgres, Security, ServerSockets, Sockets, Web application, Web service, Web-Templating, XML, XML-FO









Jun. 2006 – today 

**data2print - System for creating and processing personalized PDF documents ...**

XML interface for programming automatic PDF generators (mostly web to print), strict separation of PDF design from the program flow

**Software:** Image processing techniques, Desktop application, Document-Processing, Prepress, DTP, iText, Java, Java Swing, JDBC, PDF, PDF-Templating, VIPP, web2obj, Web service, Web-Templating, XML

**Hardware:** Printing technology, Xerox Docucolor

- 07.06.2006 – 30.09.2021 **Own distribution of photobooks**
- 13.07.2006 – 12.02.2009  **Realization of the internet portal Billig-Flieger-Vergleich.de ...**  
 Implementation of the server-platform of a flight-price-comparison web-page. Accessing different datasources of the airlines and travel operators, consolidating and presenting for the user.  
**Software:** GWT, Html, JavaScript JS, JSON, Linux Administration, MySql, PHP, Web application  
**Client/end customer:** Netzpool GmbH
- 06.09.2006 – 22.12.2006  **Website "golf comparison"**  
**Software:** Content management CMS, PHP, Interface specification, Web application  
**Client/end customer:** Metaflake GmbH
- 27.09.2006 – 27.06.2007  **Avalox COPD-Tool**  
**Software:** Desktop application, Real Basic (structured)  
**Client/end customer:** Academy GmbH
- 26.01.2007 – 21.06.2007  **CSII-Expertise**  
 Implementing medical diagnosis software (expert-systems), that supports doctors to choose the correct medication or technical equipment (COPD, CS-II, Hypertension).  
**Software:** Desktop application, Real Basic (structured)  
**Client/end customer:** Academy GmbH, Roche AG
- 11.05.2007 – 10.12.2007  **Prevention Guide**  
**Software:** GWT, Java, Java Servlets, Web application, Web-Objects  
**Client/end customer:** Academy GmbH
- 31.05.2007 – 09.08.2007  **Hypertonie Documentation tool**  
**Software:** Desktop application, Real Basic (structured)  
**Client/end customer:** Academy GmbH
- 04.07.2007 – 07.02.2008  **Web based statistical system "Try And Play"**  
**Software:** GWT, Java, JavaServer Pages JSP, Java Servlets, JDBC, JSON, Oracle DB, Postgres, Web application, Weblogic  
**Client/end customer:** Reality Bytes GmbH, Samsung Mobile AG
- 31.07.2007 – 03.08.2007  **Coupling and single sign login of various components for the web-platform of "Young Woman's Magazine"**  
**Software:** CSS, JavaServer Pages JSP, PHP, Rest, Sessiontracking, Web application  
**Client/end customer:** Reality Bytes GmbH, Burda Media Publishing KG
- 10.01.2008  **CMS for dynamic generation of static pages**  
**Software:** Content management CMS, Java, JavaScript JS, web2obj, Web application, Web service, Web-Templating, XML  
**Client/end customer:** Metaflake GmbH
- 14.11.2008 – 23.03.2009 **Consulting Vitaphone ISP2.0a - medication and MMI browser**  
**Client/end customer:** Star Healthcare Management GmbH, Vitaphone GmbH
- 15.11.2008 – 25.11.2008  **Development of the "flying dinner" internet community**  
**Software:** CSS, Html, MySql, PHP, Web application  
**Client/end customer:** Netzpool GmbH
- 15.01.2009 – 12.02.2009  **Development "Queryserver" ...**  
**Software:** Database modeling, Remote administration, Html, Java, Java NIO, JDBC, Linux, Linux Administration, MySql, ServerSockets, sFTP, Sockets, Web application, Web service, XML

**Client/end customer:** Netzpool GmbH

22.04.2009 – 22.06.2009

**ICD/CRT Integration STAR Plus**

**Client/end customer:** Star Healthcare Management GmbH

01.06.2009 – 30.06.2017



**Print data personalization & PDF composition software ...**

**Software:** Image processing techniques, Desktop application, Document-Processing, Prepress, DTP, iText, Java, Java Swing, JDBC, PDF, PDF-Templating, VIPP, web2obj, Web service, Web-Templating, XML

**Hardware:** Printing technology, Xerox Docucolor, Xerox IGEN

**Client/end customer:** Infox GmbH

02.10.2009 – 29.12.2009



**Internet book price calculator for publisher/printing/bindery**

**Software:** CSS, Html, JavaScript JS, JSON, PHP, Web application

**Client/end customer:** MVR GmbH

01.12.2010 – 10.12.2021

**Takeover of the bookbindery MVR GmbH (profiBINDER.de)**

May. 2011 – 30.09.2021



**xwv - web/tablet based production control ...**

**Software:** Html, Java, JSON, web2obj, Web application, XML

**Client/end customer:** profiBINDER.de

Jun. 2013 – today



**Android App LOOKOO.de ...**

Android app for cell phones with chat, user search, extensive user profile settings, event notes, coupons.

**Software:** Android, Java, Kotlin, Interface specification, Sockets, Web-Objects, Web service, XML

Oct. 2013 – 16.04.2018



**Facebook data interface for events ...**

Data interface for events and automatic online marketing on Facebook.

**Software:** Database modeling, Facebook Open-Graph, Geographically oriented data management, Java, Postgres, RestFB, Web application, XML

14.04.2015 – 26.05.2015



**PHOTUX-Track - Android shipping control ...**

**Software:** Android, Http protocols, Java, PDF-Templating, Interface specification, bar code, Web service, XML

03.09.2015 – 02.12.2016



**Android telephony app**

Development of a native Android application realizing a viop-phone app for business-customers. Graphical impementation, new history management to act nearly same like IOS app. Synchronisation of phonecontacts/recents/favorites from server.

**Software:** Android, Ansi C, Butterknife, Dagger, Database modeling, Espresso, Glide, Http protocols, Jackson2, Java, Junit, Mockito, ReactiveX/RxJava, Retrofit, SIP Protocol, XML

**Project management:** GIT, Gradle, Jenkins, Maven, Scrum

**Client/end customer:** technidoo UG, Swyx Solutions AG

01.01.2017 – 31.07.2017



**IoT radio module ("Dashbutton") with battery charging via USB ...**

**Software:** Ansi C, FreeRTOS, PIC-16 Assembler, Interface specification, Threads, XC8

**Hardware:** Analog Technology, Design of complex control systems, Electronics development, ESP-Microcontroller, Radio communication, Gatter, Li-Ion charging technology, MicroChip PIC-Microcontroller, Microprozessoren, Circuit board layout, Circuit design, Circuit design

Mar. 2017 – today



**IoT configuration web interface**

**Software:** Ansi C, CSS, Html, Http protocols, JavaScript JS, Interface specification, Typescript, Web application, XML

- 01.08.2017 – 10.01.2018  **IoT sensor module (temperature / humidity)**  
 Sensor platform for sensors for connection to the IoT radio module via a MultiMaster RS485 bus.  
**Software:** Ansi C, PIC-16 Assembler, Interface specification, Threads, XC8  
**Hardware:** Analog Technology, Design of complex control systems, Electronics development, MicroChip PIC-Microcontroller, Microprozessoren, Circuit board layout, Circuit design, Circuit design
- 09.10.2017 – 03.11.2017  **Certificate management**  
**Software:** Java, JavaScript JS, JavaServer Pages JSP, Java Servlets, JSON, PHP, Rest, Interface specification, sFTP, Typescript, Web application  
**Project management:** GIT  
**Client/end customer:** Bank-Verlag GmbH
- 16.04.2018 – today  **Facebook Screen-Scraper ...**  
 Screen-scraping interface for automatic online marketing on Facebook.  
**Software:** Database modeling, Geographically oriented data management, Java, Postgres, Typescript, Web application, XML
- 18.06.2018 – 28.09.2018  **Implementation of an UpdateManagement configuration system ...**  
**Software:** Angular 6, CSS, Java, JavaScript JS, Java Servlets, JBoss, Jetty, MySql, ReactiveX/RxJava, SAP environment, Interface specification, SCSS, Typescript, Web application, Web service, Web-Templating  
**Project management:** Confluence, GIT, Jira, Maven  
**Client/end customer:** CompuGroup Medical AG
- 01.10.2018 – 31.08.2020  **Further development of a house control app**  
 Update to the latest Android version including migration of the push notification from Google Cloud Messaging (GCM) to Firebase Cloud Messaging (FCM). Code restructuring/modularization and inter process/module communication for more stability. Implementation of new features.  
**Software:** Android, Java, Kotlin, Rest, Web service  
**Project management:** CI/CD, Confluence, GIT, Gradle, Jenkins, Jira, Scrum, SVN  
**Client/end customer:** Gira Giersiepen GmbH & Co. KG
- 15.09.2020 – today  **Online Course Editor ...**  
 Online editor for designing online courses for integration into learning platforms.  
**Software:** Apache Web-Server, CSS, Html, Java, JavaScript JS, Linux, Linux Administration, Typescript, web2obj, Web application, XML
- 15.12.2020 – today  **Identification and evaluation of trading strategies for the stock market**  
**Software:** Deeplearning, Desktop application, Java, Java Swing, XML
- 15.07.2021 – 30.09.2021 **High-Secure smart building update management**  
**Software:** JavaServer Pages JSP, Java Servlets, Linux, sFTP  
**Project management:** GIT  
**Client/end customer:** Breuer Nachrichtentechnik GmbH
- 06.09.2021 – 30.11.2021  **Development of entry and processing of "hardship case" for authorities**  
**Software:** CSS, Document-Processing, Html, Java, JavaScript JS, Linux, Linux Administration, Lucom, SCSS, Tomcat, Web application, Web-Templating  
**Project management:** Confluence, GIT, Jira, Maven  
**Client/end customer:** Proximity GmbH
- 10.12.2021 **Relocation to Cyprus**
- 01.01.2022 **Company registration "TOPSYS Ltd." in Cyprus**

01.02.2022 – 30.06.2022

### **System Architecture Datawarehousing ...**

Increase speed of the datahandling (min 100 times)

**Software:** Java, Java Spring, SQL

**Project management:** CI/CD, GIT, Jira, Maven

**Client/end customer:** targit GmbH

15.11.2022 – 28.02.2023



### **Frontend for document aggregation ...**

CMS editor for updating a juristic expert system from new given documents (PDF)

**Software:** Content management CMS, Desktop application, Document-Processing, Java, Java Swing, PDF, Interface specification, Threads

**Project management:** GIT, Jira, Maven

**Client/end customer:** EQS GmbH

01.03.2023 – 20.07.2023



### **Sailschool-/Charter-/Landtours-Cyprus.com ...**

Implementation of 3 travel portals for the Cyprus tourism industry

**Software:** CSS, Html, Java, JavaScript JS, Linux, Linux Administration, Tomcat, Web application, Web-Templating

01.06.2023

### **Relocation to Dubai**

01.06.2023 – 30.06.2024



### **Development of form system for governments**

**Software:** Amazon Cloud AWS, Apache FOP, CSS, Docker, Document-Processing, Html, Java, JavaScript JS, Linux, Linux Administration, Lucom, OAuth, SAML Protocol, SCSS, Tomcat, Web application, Web-Templating

**Project management:** CI/CD, Confluence, GIT, Jira, Maven

**Client/end customer:** InterOne GmbH