

Olaf Mertens CV

last updated: November 2020

Olaf Mertens, Margaretenstr. 29, 16552 Schildow

mail@olaf-mertens.com, +49 173 6644304

- [Homepage](https://olaf-mertens.com) - https://olaf-mertens.com
- [LinkedIn](https://www.linkedin.com/in/olaf-mertens-0952725a/) - https://www.linkedin.com/in/olaf-mertens-0952725a/
- [Xing](https://www.xing.com/profile/Olaf_Mertens2/) - https://www.xing.com/profile/Olaf_Mertens2/
- [GitHub](https://github.com/olafmertens/) - https://github.com/olafmertens/
- [Google Play Store](https://play.google.com/store/apps/developer?id=Olaf+Mertens) - https://play.google.com/store/apps/developer?id=Olaf+Mertens

Java backend developer

I have been an enthusiastic software developer for decades. My favourite topics are **Java** and **Linux**. I also deal intensively with **Cloud Computing** for a few years now.

I have been working in various projects in Frankfurt am Main and Berlin.

Current availability

I am **not** available for new projects.

Skills

Architecture

RESTful APIs, Microservice, DevOps, Network Administration, IoT, LDAP, OSGi, CORBA, Backup

Container & Cloud

Kubernetes, Docker, AWS, Cloud Foundry, Google App Engine

Programming Languages

Java, Kotlin, Scala, Groovy, Bash, CSS, Perl, Python, PHP, Javascript, Typescript, C, C++, Tcl/Tk, XSLT, javacc, lexx yacc, PCL

Tools & Libraries

Spring, Spring Boot, Spring Batch, Scala Play, git, Gradle, Maven, Hibernate, Akka HTTP, Swing, JavaFX, GWT, Angular, Struts, JSP, Apache Ant, Apache Tapestry, JAXB, Subversion, CVS, RMI, Eclipse RCP, Java Applet, Facebook Connect, LaTeX

Operating Systems

Linux, Unix, Android, Windows, AS400

Data Management & Server

Kibana, Grafana, ElasticSearch, Redis, MongoDB, Cassandra, Kafka, RabbitMQ, MySQL, PostgreSQL, Oracle DB, Tomcat, Apache HTTP Server, Websphere Application Server, Websphere MQ, CMS, Chef, DB2, Sybase DB

Projects

ERP System

October 2020 - today - [Krieger Digital](#) - Lead Software Developer

Architecture and development of the ERP system of the Krieger group (Möbel Höffner).

Skills: Java, Microservice, AWS

Backend/Cloud Development

January 2018 - June 2020 - [GE Jenbacher / INNIO](#) - Software Developer

Backend development of the [myPlant portal](#).

myPlant collects and processes sensor data from gas engines and other machines in the cloud.

Skills: Java, Scala, Kotlin, Groovy, Spring Boot, Spring Batch, Akka HTTP, RESTful APIs, git, Gradle, MySQL, Oracle DB, PostgreSQL, Cassandra, Redis, ElasticSearch, Kafka, Kibana, Microservice, Docker, Kubernetes, AWS, IoT, DevOps

Website of the publishing house Springer Nature

June 2016 - December 2017 - [Springer Nature](#) - Software Developer

- Architecture and development of a central JSON-based database for user profiles
- Maintenance and further development of the content management system

Skills: Java, Scala, Javascript, Typescript, Bash, Groovy, Spring Boot, Scala Play, Angular, git, Gradle, RESTful APIs, Oracle DB, MongoDB, ElasticSearch, RabbitMQ, Redis, Cloud Foundry, Chef, Kibana, Grafana, Microservice, CMS, Linux, DevOps

Document Processing

December 2015 - March 2016 - [Elsevier](#) - Software Developer

Development of a pipeline for automatic analysis of magazine articles.

Skills: Java, C++, Spring Batch, git, Gradle, Oracle DB

Backend Programming

August 2015 - October 2015 - [AUTO1 Group](#) - Software Developer

Development of microservices for the backend of a large web application.

Skills: Java, PHP, Spring Boot, git, Maven, Microservice, Restful APIs, MySQL, Kibana, AWS

Kindergarten administration application

September 2013 - April 2014 - **Kindertagesstätte** - Software Developer

Development of a desktop application for the administration of a kindergarten.

Skills: Java, JavaFX, Spring, Hibernate, git, Gradle

Android App

May 2013 - June 2013 - [Tattva Time](#) - Software Developer

Android app to display the Tattva states from the yoga philosophy.

This requires the exact times of sunrise, which are calculated from the current location.

Skills: Java, Gradle, git, Android

Client-Server Application

August 2011 - July 2015 - [Rohde & Schwarz](#) - Software Developer

Maintenance and further development of a client-server application for the administration of digital certificates.

Skills: Java, Groovy, Eclipse RCP, Spring, OSGi, CORBA, git, Gradle, Apache Ant

Online vocabulary trainer

September 2010 - December 2012 - **Own project** - Software Developer

Online vocabulary trainer *Papagei-Trainer* with Facebook integration.

Skills: Java, Javascript, GWT, Subversion, Apache Ant, Gradle, Facebook Connect, Google App Engine

Replacement of legacy credit management applications with Java web application

May 2006 - June 2011 - [Landwirtschaftliche Rentenbank](#) - Software Developer

- Development of a web application for credit management
- Setup of the test and deployment infrastructure for Java/WebSphere development

Skills: Java, Javascript, javacc, Python, Eclipse RCP, Spring, Struts, CSS, Subversion, Apache Ant, Websphere Application Server, DB2, AS400

Project Manager Java/Web-Engineering

September 2005 - March 2006 - **Allianz Dresdner Informationssysteme GmbH** - Projektleiter

Organizational management and technical implementation of the migration of a business-critical Java web application to a new system environment.

Skills: Unix, Apache HTTP Server, Tomcat, Websphere Application Server, Websphere MQ

Web application for complex data reconciliation

September 2003 - December 2005 - **Fireos GmbH (Startup)** - Software Developer

Development of a web application for complex data reconciliation in the financial sector. I was the software architect and main programmer of the application.

Skills: Java, Perl, XSLT, CSS, Apache Tapestry, CVS, Apache Ant, Tomcat

Administration of a stock exchange information system

May 2001 - May 2003 - **Dresdner Bank** - Unix Administrator, Software Developer

Reception and processing of information relevant to the stock exchange (e.g. Reuters news, etc.) and its presentation in the Intranet and Internet of the Bank.

Besides the operation and monitoring of web and Java application servers, I developed various applications for operational monitoring:

- XML-based documentation system for the department
- Web server monitoring tool
- Content management system for the department's homepage

Skills: Java, Perl, Javascript, XSLT, Bash, JAXB, JSP, Struts, CSS, LaTeX, Sybase DB, Oracle DB, Tomcat, Apache HTTP Server, Websphere Application Server, Unix, Linux

Web-based network management system

September 1998 - April 2001 - CDC Control Data GmbH - Software Developer

Development of a web-based network management system for Deutsche Telekom AG.

Skills: Java, Perl, Swing, RMI, Java Applet, Apache Ant, LDAP, Apache HTTP Server, CVS, Windows, Linux

Graphical Design Tool for „Timed Message Sequence Charts“

March 1996 - July 1997 - [GMD Fokus](#) - Diploma thesis

Development of a desktop application for easy graphical creation of Message Sequence Charts (MSCs) and automatic conversion of the graphics into a standardized text form. MSCs are graphics to represent the message exchange between processes.

The application was part of my diploma thesis.

Skills: C, Tcl/Tk, lex yacc, LaTeX, Unix, Linux

Teletext

February 1996 - April 1996 - [Softlab GmbH](#) - Software Developer

Analysis and further processing of teletext data.

Skills: C, Windows

Printer Programming

February 1994 - July 1995 - [IBM](#) - Software Developer (trainee)

Development of a program for the control of laser printers of Berlin Police Operations Center.

Skills: C, PCL, Unix

Education

Technische Universität Berlin

October 1990 - April 1997 - Diplom Ingenieur Electrical Engineering

Specialization in information transmission and networks