

HOLGER PSCHERA



In more than 15 years of experience as Java Developer (JEE, Spring, ...) I worked with countless tools and frameworks across several industries such as semiconductor, logistics, retail and IoT. I was mainly active in backends, where I follow my passion for Clean Code: reusable, readable, testable, performant, simple and loosely coupled.

I quickly incorporate into new teams, tools and codebases, which helped me already several times to become a key driver for a project's success in short time. Although my main passion is coding itself, I actively take responsibility to contribute to projects success the best I can, therefore am also experienced and good in requirements analysis, architectural topics as well as team organization, knowledge transfer and customer orientation.



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Englisch: fluent (C1-C2)
Native German speaker

Available for new freelance positions starting in July or August 2024

EXPERIENCES/ PROJECT HISTORY

ASML, DESIGN ENGINEER

SEPT 2019 - MARCH 2024

Domain photo lithography / semiconductor

Web asml.com

Role Senior Java Developer, Freelancer

Tools Java 11, IntelliJ, Maven, Docker, GIT, Jenkins, Bamboo, DC/OS, Spring Boot, JMS, JAX/RS, GraphQL, OpenAPI, Splunk, Liquibase / -graph, Postgres, Oracle, Spring Data, QueryDSL, Neo4j & Cypher, Spark, HDFS, Shell scripting, Commons Math, MATLAB, AsciiDoc, jQAssistant, ...

Tasks

- development, test and design of existing and new backend services in on premise clusters within microchip-fabs, which are used to make available and analyze data produced in ASML's scanner and metrology machines
- code-Reviews, conduct trainings, facilitate regular team meetings, analyze bugs/ unexpected behavior
- maintenance and extension of comprehensive test suites (Nightly, E2E, IT, Unit, Performance)
- alignment of new designs/ architectures with specialized departments, architects and product/component owners, technical documentation with AsciiDoc, Confluence and Teamcenter, following Scrum and SAFE
- migration of experimental MATLAB-library into performant, precise Java-Code (iCOT)
- co-development and support of a framework based on Apache Spark and Kafka / JMS used to import masses of XML-Data into the data warehouse (HDFS)
- migration of deployment from VMs to docker containers and container orchestration platforms, from monolithic to modular and microservice architecture, from Oracle to Postgres, SQL to Neo4j and HDFS, from Eclipse to IntelliJ, technical layering to Domain Driven Design, formalization of architectural rules
- occasionally taking interviews of job candidates from around the world (about 20 times)

IDA (INSTRUMENT-DATA-ASSISTANT), OWNER

SINCE 2010

Domain music instrument building, organology, genealogy

Web ida-software.de

Role Founder, architect, developer, factotum

Tools Eclipse, Java 8, Swing, Maven, GIT, JIRA, AppBundler, SQLite, Launch4j, IzPack

Tasks requirements elicitation, design, implementation, coordination of partners, test, deployment, translation, marketing, sales, support and accounting

Product IDA is used to measure, compare and analyze the way music instruments are built. Based initially on violins, it contains detailed ways to describe instruments and persons related to them, connect those records and make mathematical/statistical analysis upon the data. Through this long running project, I was able to pass through all important stations of a software product myself. IDA is nowadays developed occasionally, earlier it was a full-time job for few years.

NEWTRON GMBH/ SUPPLYON

APR - JULY 2019

Domain Supply Chain Management
Web newtron.de supplyon.com
Role Senior Java Developer, Freelancer
Tools Java 8, OpenShift, GIT, Jenkins, Azure, Spring Boot, JAX/RS, Swagger, ELK, Hibernate, AsciiDoc, Keycloak
Tasks Development and design of SpringBoot Microservices in Scrum organized team. Creation of data models, business logic and REST-interfaces in a highly available, automated survey platform for suppliers, which also served as a PoC of a new software platform running with containers in OpenShift on Azure.

ZEDAS GMBH

JULY - OCT 2018

Domain transportation of cargo/ rail goods traffic/ logistics
Web zedas.com
Rolle Senior Java Developer, Freelancer
Tools JEE 7, Eclipse, JBoss EAP 7.x, Arquillian, Equinox, Docker, Jenkins, OSGi
Tasks development of business logic in Java EE Backend, Arquilliantests, REST-Services

T-SYSTEMS MULTIMEDIA SOLUTIONS

AUG 2016- APR 2017

Domain truck industry, transportation of cargo, telematics (IoT)
Web telekom-mms.com
Role Senior Java Developer, Freelancer
Tools Java SE 8, Spring Boot, RxJava, Eclipse STS, GIT, JIRA, Confluence, Jenkins, Protobuf, JAX/RS, JMS
Tasks realization of an IoT interface adapter between telematic devices in trucks of Schmitz Cargobull and a web portal used by logistics companies. Development, direct alignment with customers and integration tests.

GK SOFTWARE AG

APR 2011 - JAN 2014

Domain Retail
Web gk-software.de
Role Java Developer
Tools Java 6, J2EE, Dependency Injection, JMock, Altova MapForce, JasperReports, RMI, Ant, Maven, several XML Tools, many company specific tools and products, Eclipse, STS, SVN, PMD, Hudson, Track+, JIRA, Firebird, Oracle, MS SQL Server, DBVisualizer, UltraVNC, DirectVNC, WinSCP, PuTTY, Total Commander, SAP R/3, VMWare, GKRetail, Tomcat, Apache ActiveMQ
Tasks Java-Development in customization projects and standard product GKRetail, working in international project teams with customers from around the world, installation and rollout of comprehensive software landscapes, conduct trainings and workshops for in german and English, third level customer support, define and develop SAP-interfaces (via MapForce), develop JasperReports and a series of GK products.

INTERNSHIP AT EADS (AIRBUS)

SEPT 2007 - FEB 2007

Domain Military leadership and disaster management
Role Trainee, Java Developer
Tools Java SE, Swing
Tasks development of GUI-Wizards to help users create new objects from NATO-MIP-Standard on the map of a military and disaster management control system using Java-Swing and a hibernate persistence layer (which was fancy at that time). Development for object deposit using drag & drop called ObjectBin.

STUDIES IN COMPUTER SCIENCES

OKT 2005 - FEB 2010

Location Westsächsische Hochschule Zwickau
Web fh-zwickau.de
Graduation Bachelor of Science (computer sciences)
Learned Java, Groovy/Grails, C/C++, Assembler, Xpath/XQuery/XML Schema, AspectJ, Eclipse, SVN, CVS, MATLAB, SPSS, SAP/R3, MS SQL Server 2005, eXist, graphic programming, GUI development and much more