HOLGER PSCHERA

In more than 16 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 followed 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 I 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

AOK SYSTEMS
SEPT 2024 – JUNE 2025

Domain	health insurance, CRM, contact center
Web	aok-systems.com
Role	Senior Java Developer, Freelancer
Tools	JDK 21, SpringBoot 3.4, OpenAPI 3.1.0, Spring WebFlux, Kafka, KeyCloak, Postgres, Openshift, Kubernetes, ArgoCD, SAP S4/Hana, NexusIQ, Helm Charts, Prometheus, Grafana, OpenSearch

Tasks

- Requirements analysis and development of highly available domain based Microservices on top of SAP CRM Backend, amongst others:
  - Contact Management Archiving Service for TI-M Messenger – public interface to store secured messenger communication within telematics infrastructure into SAP backend.
  - TaskRoutingService: push tasks (e.g. appointments, mails) to external contact center solutions
- Data synchronization to SAP backend via Kafka, defining and creating data models, business logic and REST-APIs, align on requirements with SAP engineers, POs and operators.
- Definition of public interfaces of the Digital Layer on top of oscare® product suite.

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 modulithic 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, support onboarding, team building

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 musical 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)

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

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