

# CHRISTOF NASAHL

SW Engineer, SW Consultant

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Born 26.03.1964 | Austrian citizen

## SUMMARY

Senior developer with knowledge of the currently common technologies in the area of Java development: Application Server, SpringBoot, REST, Eclipse/RCP, Maven, Subversion, Git, Jenkins, ...

My recent focus is on backend development for microservices with usage of the AWS cloud.

The well-founded experience in the development of large and long-lasting software projects helps me to define a practical architecture as well as the integration of suitable frameworks.

## FREELANCE ACTIVITIES UNTIL TODAY

### **Essendi it GmbH**

*Senior Developer (07.2020 – heute) in Teilzeit*

New design and development of a communication line between a bank and a tax office

Used technologies and tools: Java 11, Spring, Spring Boot, Webservices (WSDL/SOAP+REST), Cucumber, Selenium, html, js, Apache CXF, Maven, Bamboo, Docker, AWS (EC2)

Development process: Kanban

### **TUI GmbH**

*Senior Developer (03.2022 – 03.2023)*

Development and operation of the component 'Search requests for hotel bookings' within a microservice-based overall architecture

Development: Java 17, Spring, Spring Boot, Gradle, Kafka, Kinesis, Cucumber, Swagger, Quarkus

DevOps: Docker, Kubernetes, Terraform, Continuous Integration mit Gitlab CI, DataDog

AWS Cloud: EC2, Lambda, ParameterStore, S3, Cloudwatch, SNS, SQS, DynamoDB, Redis, Aurora, Athena

Development process: Scrum

### **OTTO GmbH: Design and implementation of delivery address page**

*Senior Developer (09.2020 – 02.2022)*

New design and implementation of the delivery address page for the online shop:

- Setup of the required microservice as an EC2 instance in the AWS cloud
- Implementation of the REST endpoints in the backend
- UX design
- Implementation of various tests: unit tests, ui tests, layout tests
- POC to optimize the usage of Mongo DB

Used technologies and tools: Scala, Spring, SpringBoot, Gradle, html, js, node, scss, Selenium, Backstop, AWS (EC2, S3, Cloudwatch, Cloudformation, SNS, SQS, Lambda, ..), Mongo DB, Kibana, Grafana

Development process: Scrum; Continuous Integration mit Jenkins

### **Loyalty Partner Solutions: Redesign of a test framework and backend development**

*Senior Developer (12.2018 – 04.2020)*

Definition of the design and implementation of a test framework for the customer project Miles&More of Lufthansa with the following requirements:

- the mapping of current system and integration tests is possible
- All service interfaces of Miles&More can be accessed: SOAP, REST, EJB, DB
- the specific requirements for UI tests with selenium are covered
- Support of the QA team during tool introduction

Furthermore working in the backend development for Miles&More

Used technologies and tools: Weblogic, Oracle, Hibernate, aspectJ, SOAP, REST, Java 8, Java11, JavaFX, Kotlin, Oracle, JUnit5, Selenium, Git, IntelliJ

Development process: Scrum; Continuous Integration with Jenkins

### **AVL DiTEST: Development of a vehicle diagnostic system**

*Senior Developer (07.2016 – 12.2018)*

Development of a vehicle diagnostic system for Jaguar/Landrover.

Used technologies: Java 8, Eclipse/RCP, Eclipse/EMF, JUnit, Mockito, Maven, Subversion

Development process: TDD; Scrum; Continuous Integration mit Jenkins

New development of a UI test suite for various enterprise projects based on Selenium

From 2018: Partial migration of the technology stack:

Source code migration from Subversion to Git with Bitbucket

Frontend migration to SpringBoot, REST, Swagger, React and Typescript

### **Siemens: Development of a hazard alarm system**

*Senior Developer (09.2011 – 04.2016)*

Development of a hazard alarm system for buildings.

Used technologies: Java/J2EE, Eclipse/RCP, Eclipse/EMF, JBoss, Hibernate, JUnit, Mockito, Maven, Subversion

Development process: TDD; Scrum; Continuous Integration with Jenkins

### **Rohde&Schwarz: Software Defined Radio**

*Senior Developer (07.2009 – 08.2011)*

Development of a system architecture for military radios.

Used technologies: VisualStudio, C++, CrossCompiler, ...

### **Rohde&Schwarz: Development of a GUI application**

*Software developer (07.2008 – 06.2009)*

Refactoring of a GUI application to configure measuring devices.

Used technologies: C++, STL, QT, Perl, Enterprise Architect, PC-Lint, ClearCase.

### **Siemens/NSN: Mobile systems**

*Software developer and architect (01.2000 – 06.2008)*

Development of a core component for a major project in the mobile systems sector.

Used technologies: C++, CORBA, Java, Eclipse RCP, Unittests, Scrum.

## EMPLOYED ACTIVITIES UNTIL 2000

### **Siemens München: Mobile systems**

*Software developer and architect (03.1998 – 12.1999)*

Development of a an Operating&Maintenance system in the mobile systems sector.

Technologies: C++, OOA/OOD, Design Pattern, CORBA, SUN Solaris.

### **Siemens Erlangen: Plant engineering**

*Software Developer (10.1995 – 02.1998)*

Development of a framework for the process automation of hot rolling mills.

Technologies: C++, OOA/OOD, Design Pattern, CORBA, SUN Solaris.

### **Siemens Erlangen: Traffic engineering**

*Sales (12.1993 – 09.1995)*

Sales activities and project management for Heavy Rails (i.e. metro systems) in China

### **Siemens Beijing: Concept development**

*Sales/Marketing (04.1993 – 11.1993)*

Third station of an internal trainee program: Development of a concept to enter the Chinese paper industry market; sales activities.

### **Siemens Erlangen: Marketing**

*Marketing (09.1992 – 03.1993)*

Second station of an internal trainee program: Participation in strategic marketing projects in the water management sector.

### **Siemens Fürth: Development of an AI control**

*Development (12.1991 – 08.1992)*

First station of an internal trainee program: Development and integration of a neural network for a rolling mill.

### **Siemens Fürth: Development of an AI control**

*Development (11.1990 – 05.1991)*

Development of a neural network for a rolling mill.

## EDUCATION

### **Study of computer science**

*(11.1984 – 11.1990)*

Studies of computer science with minor subject sinology at the Friedrich-Alexander University Erlangen; overall grade: 1.7

### **Languages**

German: Mother language

English: fluent

Chinese (Mandarin): basic

## CERTIFICATES

### **iSAQB Software Architecture – Foundation Level**

*(07.2020)*

### **ISTQB Certified Tester Foundation**

*(05.2020)*

### **AWS Certified Solutions Architect - Associate**

*(06.2019)*

### **OMG Certified UML Professional Fundamental**

*(04.2008)*

Munich, February 18th, 2023

# SKILLMATRIX

## Project phases

****	Architektur	****	Implementierung	****	Test
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## Methodologies

*****	Scrum	****	Clean Code	****	Test automation
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## Technologies

****	Client/Server	***	Netzwerk	****	Application Server
***	SOAP	****	REST	***	Design Pattern
****	AWS (EC2, S3, Cloudformation, Cloudwatch, SNS, SQS, Lambda, ...)				
***	Microservices				

## Modelling, Tools

****	UML	****	MDA	****	Eclipse/EMF
****	Enterprise Architect	***	Kibana		

## Program languages

*****	Java 8	****	Java 11	***	Scala
***	Javascript	***	Kotlin	*****	C++
***	Perl	****	Python	****	Windows/Unix Skripte

## Frameworks

****	J2EE	****	JBoss	****	JPA/JTA, Hibernate
*****	Junit, Mockito	****	Google Guice	*****	Selenium, Selenide
***	Spring Boot	**	Spring Cloud	***	Spring Data
**	Angular	**	React	****	Java FX
***	OAuth 2.0	***	Apache CXF		

## Databases

***	PostgreSQL	****	Oracle	**	MySQL
***	Mongo DB				

## Platforms and tools

\*\*\*\*\* Windows

\*\*\*\*\* Jenkins

\*\*\* Sonar

\*\*\*\* Debian/Linux

\*\*\*\* Subversion

\*\* Docker

\*\*\*\*\* Maven

\*\*\*\* GIT (Bitbucket)

## IDE

\*\*\*\*\* Eclipse

\*\*\*\*\* IntelliJ

\*\*\* Visual Studio