40 years old, married, two kids. Strongest man in the world (say the kids).
Passionate about Agile (Scrum/Kanban), Software Craftsmanship and Cross Functional Teamwork

zalando

November 2019 - May 2020

Cloud Native Developer (AWS)

As a Cloud-Native Developer I was responsible for the technical migration of microservices from AWS EC2 setups to Kubernetes. Additionally, these microservices should be updated from using SOAP to REST clients, to Spring Boot 2 and to use Nakadi (which is a Kafka implementation) instead of AWS SQS. One of the applications was a feed of product updates to the sorting machine in the warehouses to have a complete product catalog.

Java 11, Spring Boot 2, Kubernetes (k8s), **Nakadi** (Kafka and Kafka SQL), **AWS, YBIYRI**(YouBuildItYouRunIt)

MOIA
SOCIAL MOVEMENT

December 2017 - April 2019

Cloud Native Developer (AWS)

As a Cloud-Native Developer I integrated a Backend for 2 mobile Apps that were used by the employees. As Moia is a Ridesharing company owned by **Volkswagen** offering a new Mobility Solution with about 120 electric busses (at the beginning), the app offered to about 1000 employees functionalities like: opening/closing the car, opening/closing a shift, create incidents with fotos e.g. in case of damages etc.. The Service was built from scratch in AWS with Serverless Technologies like AWS Lambda, AWS DynamoDB, AWS Stepfunctions, AWS S3, AWS Kinesis, etc. Additionally the service was built with Kotlin and as architectural Pattern we used was an Event-based Approach with Eventsourcing and CQRS.

Kotlin, Serverless, AWS Lambda, AWS Stepfunctions, AWS DynamoDB, AWS SNS/SES/SQS, Elasticsearch, AWS Cloudformation, Event Sourcing, CQRS, YBIYRI(YouBuildItYouRunIt)

January 2016 - December 2017 & July 2014 - Mai 2015

Fullstack Developer

We developed 5 Business Web Applications in order to map a supply chain for music products from scratch. First was a Mediastore where all the sound files, pictures or videos for music products got uploaded, transcoded and made searchable. Next was a Metadata Application where all the Metadata could be attached to those recordings like which sound engineer in which studio from which artist etc. With the Help of having all these recordings data, they were able to create Music Products like CD Album or Stream within this Application. When having finished to design these products, they came to the next Application where all the Marketingdata could be attached, like: in which Country at which Pre-Order Date on which price, etc. After having all this set to a product, it was sent to the Application that did the actual packaging into files and sending it to the CD manufacturers or iTunes or Spotify.

Java, Spring Boot, AngularJS, Play1, Play2, Akka, Elasticsearch, FlyWay, MS-SQL, ActiveMQ, YBIYRI

July 2015 - January 2016

Fullstack Developer

In the customer's web shop, which is organized in verticals, as a full-stack developer,I supported the area of customer data as well as the area of the order history. With more focus on microservices during this time, we started developing Spring Boot Applications running on Mesos. Furthermore, the shop should be opened to external providers, which needed a new authentication concept. For this purpose, we integrated Single Sign-on Technologies like OAuth2 and JWT tokens into global login for www.otto.de

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Java, Spring Boot, Javascript, Microservices, MongoDB, Kafka, Splunk, OAuth, JWT, Continuous-Delivery, Mesos with Marathon

April 2011 - April 2014

Fullstack Developer, DevOps, Project Lead

Development of a Web Application for collecting and visualization of Monitoring Data of Photovoltaic Plants. As a development engineer and Project Lead my responsibilities included:

- Requirements analysis and detection
- Software architecture
- Database design (PostgreSQL)
- Support and Server operation
- Project management for the development projects around the voltweb portal and the iPhone App
- Care and professional guidance of external staff

This included close coordination and cooperation for interdisciplinary topics and developments with the sites in Bad Vilbel and Böblingen.

Java, Spring, JSF, Javascript, Highcharts.js, xmpp (Openfire), PostgreSQl, Selenium, Continuous-Deployment, YBIYRI

January 2011 - March 2011

Web Developer

Relaunch of a Company Website including a full-text search a location based contact teaser and contact form on FirstSpirit. As a Developer I implemented a contact teaser showing phone number and address of the company's nearest site in comparison to the users geographic location. Furthermore, the site should get a full text search. This was implemented by Solr. In addition, the contact form was customized, as the CMS tool 'formedit' was not sufficient to send the created email to different mailboxes in the company using drop down selections of the user. For this purpose, not only a client-side validation (email, script detection in free text, etc.) was implemented by JavaScript but also the behavior of the dropdown selections using 'data sources' that are a part of Firstspirit.

FirstSpirit, Solr, JSP, Javascript, MySQL

July 2010

Developer

Automated parallel measuring and classification of DSL (Fast Internet Landline) connections of new Customers. For new connections to be made by a technician, in advance, as well as in case of incomplete feedback by the technician, to be able to exclude another appointment, or to take further action, a system was developed that physically connects these ports and checks connectivity with the Alice hardware (router). This system should be scalable to avoid overloading the main distribution boards of the telephone network. For this purpose, multithreading was used. The scaling was implemented via a Spring configuration. The results of the line measurement were further processed in their Order Management System.

Java, Spring, JSF, Multithreading, Parallel Computing, Oracle PL-SQL

May 2010

Developer

Refactoring of a Swing Application used for Standings Maintenance. As a Developer I refactored the existing swing application in terms of readability, maintainability and general guidelines of object-oriented programming. Furthermore, new features defined by the end user were added. For this purpose, the application was first subjected to a complete refactoring in order to implement the Model View Controller Pattern in order to then integrate the new features.

Java, Swing, Multithreading

January 2010 - April 2010 & Oktober 2010 - December 2010

Web Developer

Integration of a Corporate Identity on a Web Application to order Spare Parts. As part of the application support for the e-commerce portal for end customers, several functionalities have been newly developed as well as bug fixing. In addition, the appearance of the web application was adapted to a new corporate identity and thereby fundamentally changed.

Java, JSP, Servlets, Javascript, Struts

Proof Of Concept for a connection from customer facing Web Application to SAP by orchestrating with Open ESB. The customers Web Portal is a J2EE application and should be enriched with new functionalities. Since the features were related to the SAP merchandise management system, as well as the order processing, interfaces and adapted business processes had to be re-implemented. To this end, Web services

interfaces in the J2EE environment have been developed with the help of Axis, as well as business processes and SOA interfaces in the Open ESB (Enterprise Service Bus) in a GlassFish environment.

Java, Glassfish, Open ESB

2009

Quality - Consultant

As a consultant, I was responsible for the quality assurance of the marketing-relevant components and the technical service interfaces during the relaunch of an international e-commerce platform. The platform of a European market leader (2 million registered users), implemented according to the principles of agile software development, placed the highest demands on quality assurance, performance and test management. As part of this, the testing departments had to be coordinated and the development of test cases controlled. In addition, the technical acceptance was prepared by the stakeholders. In addition, I was responsible for the coaching of the test team in the test case definition and test execution methodology.
In order to be able to test the web interfaces of a large JEE application (end customer portal) automatically, it needed a plugin for Selenium. This extension allowed the test department to also subject the application's Adobe Flash-based input components to automated mass testing.
In order to also enable the departments to define test cases, an interface has been developed that can record mouse interactions within the Flash application. The resulting test cases could then be executed both in the IDE and in a JUnit test.

Java, JUnit, Selenium, Adobe Actionscript (Flash), Mantis, QaTraQ

2008

Developer

Performance optimization of an Data-Migration-Tool from Relational Database into an OLAP Database for Business Intelligence Analytics. The task in this project was to optimize an existing Java program in terms of its performance. The software was used to transfer data from a relational database model to an OLAP database. This in turn represented the data source of a BI system. The developed program followed a scalable multi-threading approach. The results of the parallelized queries could be written as executable SQL scripts in files or executed directly against an existing database.
The performance has improved significantly by the textual processing of the data instead of the organization via data objects. With the same processor load, one-third of the memory requirement could be saved and the execution speed increased by a factor of 2.

Java, Multithreading, PostgreSQL, Bash

2007

Developer

Development of a Swing Application to analyze Logging Data of a Computer Tomography to support its development engineers. To make the complex log output of a computer tomography usable, a dedicated diagnostic tool was needed. This 'LogViewer' was able to display and filter the log's endless log files in a graphical user interface. For this purpose, the log files were parsed with regard to their logical contents using JavaCC. The user interface then offered several options for filtering and drill-down: first, a list display of all the events that occurred, second, a selective tree view of the course of the log recording, and third, a sortable tabular representation. The spreadsheet view also included an Excel export.

Java, Swing, JavaCC

2006

Developer

Development of a program for the classification of MER data during stereotactic surgery (brainwave measurement). An algorithm developed in MatLab for the classification of deep brain stimulation leads should be implemented in Java with a User Interface. Using this data, the doctor determines the final position of the electrode that can suppress tremors or other symptoms of Parkinson's disease. By evaluating on a scale, the system supports the doctor in identifying a target area.
A fuzzy controller was used and the wavelet transformation to implement the classification algorithm. Since no Java library was available for the wavelet transformation, it had to be redeveloped. Furthermore, an operational (within the medical operation) usable prototype should have been created, which could adapt the course of the calculations to the course of the operation. The system had a visualization of the derivation data and their classification results (GUI) and an excel export.

Java, Swing, MatLab, JNI, JFuzzyLogic

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