

Freelance Software Engineer

Iyad Al-Sahwi

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City Berlin
Date of Birth August 29th 1986
Citizenship German, since 1991 in Germany



Work experience

- 09/2023 - 02/2024 Freelance Software Engineer for selected customer - health sector
- Extend Backend for new Feature: Rest API endpoint, Logic in Service, Testing with Junit
Improving CI/CD Pipeline and Docker image size, setup developer environment, Caching for performance
- Java 17, Spring Boot 3, Kotlin, AWS, Bash, Docker, Kubernetes, Maven, Gitlab, Postgresql, Redis
- 08/2022 - 06/2023 Freelance Java Backend Entwickler at MHP GmbH for Porsche AG
- Kafka event stream using AWS Lambda, Spring Boot Secret rotation during runtime, Circuit Breaker and Retry Handler for 3-party APIs + error handling, Update microservice to Java 17, Fix Docker image based on Alpine, DynamoDb local tests with Testcontainers
- Kotlin, Java, Spring Boot 2, TypeScript, Nest.js, Kafka, Terraform, AWS, Docker, Maven, DynamoDb
- 12/2021 - 02/2022 Freelance Backend Developer at SD&C GmbH
- Improved software to follow 3-layered architecture & Refactoring for cleaner code, Implement feature: Editable Email system to notify about the status of the credit lending
- Java, Spring Boot, Docker, MSSQL, Camunda, IBM MQ, Liquibase
- 01/2021 - 11/2021 Sabbatical & start of self-employment
- 01/2019 - 12/2020 Backend Engineer at Signavio GmbH
- Feature development, maintenance and bug fixing in Java
Performance improvements for Signavio dictionary, Update web application from Java 8 to Java 11, Application startup check for database type, Deployment of Signavio Process Manager (Dockerized), CI-Migration from Jenkins to CircleCi
Started basic use of Kubernetes and AWS

09/2016 - 01/2019	<p>Automation Engineer at Signavio GmbH</p> <p>Automation of development tasks for 3 engineering teams using Java, Kotlin, Groovy and Gradle as well as Docker, Docker Swarm, Gitlab and Jenkins</p> <p><i>Developer tasks:</i> Custom Java client library, UI and API test framework in Kotlin, Groovy scripts for job generation, Gradle build and release scripts</p> <p><i>DevOps tasks:</i> Containerization with Docker, Orchestration with Docker-Compose, automated website deploy and tool updates</p>
08/2014 – 08/2016	<p>QA Automation Engineer (Backend) at idealo internet GmbH</p> <p>Develop complex End-2-End test setup as well as full backend regression tests, automated functional and non-functional tests on Rest API layer in Java and Node.js, BDD with Cucumber</p>
07/2012 – 09/2012	<p>Internship in Brazil as software engineer at Research lab LINCE, "Universidade Federal de São Carlos"</p> <p>Development of a web application for multimedia-based content with Grails (Java and Groovy), HTML, CSS and JavaScript</p>
09/2010 – 01/2011	<p>Internship as software developer at hmmh multimediahaus AG</p> <p>software quality in Java projects, continuous integration with Hudson, quality measurement with SonarQube as well as Frontend development with Flash (AS3)</p>

Skills

Language/Runtime	Java, Kotlin, TypeScript, JavaScript, Bash, Groovy
Frameworks/Libraries	Spring Boot, Kafka, Hibernate, RestEasy, Guice, Node.js, Nest.js
Database	MongoDB, MySql, MsSql and DynamoDB
Method	Agile development: Scrum and Kanban
Environment	Linux Ubuntu/Mint/Debian, AWS, IntelliJ, Github, Gitlab, Android
DevOps	Docker, Terraform, Jenkins, AWS Codebuild, Ansible, Kubernetes
Languages	German - native, English - fluent, Arabic - moderate

Education

10/2011 - 06/2014	<p>Master student „International studies media informatics“</p> <p>Master of Science, Hochschule für Technik und Wirtschaft Berlin</p> <p>Web development and Mobile (Java, Android, Groovy/Grails, JavaScript, Node.js), Algorithms and image processing in Java</p>
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09/2007 – 06/2011	Bachelor student „International studies media informatics“ Bachelor of Science, Hochschule Bremen Focus on Software and web development (computer science 80%) Understanding of UI & UX (Design 20%)
08/2003 – 07/2005	„Technical assistant for IT“, two years of professional school Apprenticeship, Eugen-Reintjes-Schule, Hameln