

Iyad Al-Sahwi

Freelance Software Engineer

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



Work experience

07/2024 – Present **Freelance Backend Engineer at DVC - energy sector**

- Focus on Backend Development from API to database
- Create new endpoint, implement logic and persist with JPA
- Edit and improve existing code (more maintainable)
- Upgrade Spring Boot, Hibernate, Jackson, Kotlin etc

Kotlin, Spring Boot 3, OpenShift, Gitlab, DB2, Gradle, Docker

09/2023 - 02/2024 **Freelance Software Engineer in the 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

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
- Upgrade 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 - banking sector**

- 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 <ul style="list-style-type: none"> - 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	Automation Engineer (DevOps) at Signavio GmbH <ul style="list-style-type: none"> - Automation of development tasks for 3 engineering teams using Java, Kotlin, Groovy and Gradle as well as Docker, Gitlab and Jenkins - Custom Java client library - UI and API test framework in Kotlin - Groovy scripts for job generation - Gradle build and release scripts - Containerization with Docker - Orchestration with Docker-Compose - Automated Signavio website deploy and tool updates
08/2014 – 08/2016	QA Automation Engineer (Backend) at idealo internet GmbH <ul style="list-style-type: none"> - 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

Skills

Programming in	Java, Kotlin, TypeScript, JavaScript, Bash, Groovy
Framework	Spring Boot, Kafka, Hibernate, RestEasy, Guice, Node.js, Nest.js
Environment	Linux Ubuntu/Mint/Debian, AWS, IntelliJ, Github, Gitlab, Android
DevOps	Docker, Terraform, Jenkins, AWS Codebuild, Ansible, Kubernetes
Observability	Grafana, Elasticsearch, Kibana, Logstash, Apache Spark
Database	MongoDB, MySQL, Postgresql and DynamoDB
Method	Agile development: Scrum and Kanban
Collaboration	Jira, Confluence, GitHub Issues, Notion
Languages	German – native, English – fluent, Arabic - moderate

Education

10/2011 - 06/2014	Master student International studies media informatics Master of Science, Hochschule für Technik und Wirtschaft Berlin Web development and Mobile (Java, Android, Groovy/Grails, JavaScript, Node.js), Algorithms and image processing in Java
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

Internship

07/2012 – 09/2012	Internship in Brazil as software engineer at Research lab LINCE, "Universidade Federal de São Carlos" <i>- Development of a web application for multimedia-based content with Grails (Java and Groovy)</i> <i>- Frontend using HTML, CSS and JavaScript and a template</i>
09/2010 – 01/2011	Internship as software developer at hmmh multimediahaus AG <i>- Software quality in Java projects</i> <i>- Continuous integration with Hudson</i> <i>- Quality measurement with SonarQube</i> <i>- Frontend development with Flash (AS3)</i>
