

Iyad Al-Sahwi

Freelance Software Engineer

Mobile phone [+49 152 3809 0873](tel:+4915238090873)
E-Mail iyad@al-sahwi.de
Website <https://al-sahwi.de>
City Berlin
Date of Birth August 29th 1986
Citizenship German, since 1991 in Germany



Work experience

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*
- *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*
- *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**

- *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**

- 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**

- 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"
*- Development of a web application for multimedia-based content with
Grails (Java and Groovy)*
- Frontend using HTML, CSS and JavaScript and a template

09/2010 – 01/2011 Internship as software developer at hmmh multimediahaus AG
- Software quality in Java projects
- Continuous integration with Hudson
- Quality measurement with SonarQube
- Frontend development with Flash (AS3)
