

# Iyad Al-Sahwi

## Freelance Software Engineer

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



## Work experience

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- 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
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- 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
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- 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
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- 01/2021 - 11/2021      Sabbatical & start of self-employment
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- 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

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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

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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
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## **Skills**

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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
Languages	German – native, English – fluent, Arabic - moderate

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## **Education**

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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

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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%)

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08/2003 – 07/2005 Technical assistant for IT, two years of professional school  
Apprenticeship, Eugen-Reintjes-Schule, Hameln

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## Internship

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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*

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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)*

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