

Freelance Backend Engineer

Iyad Al-Sahwi

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



Work experience

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| 07/2023 - 02/2024 | Failed Startup idea & moving to a new apartment |
| 08/2022 - 06/2023 | <p>Freelance Java Backend Entwickler at MHP GmbH for Porsche AG</p> <p>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</p> <p>Kotlin, Java, Spring Boot, TypeScript, Nest.js, Kafka, Terraform, AWS Stack, Docker, Maven, DynamoDb</p> |
| 12/2021 - 02/2022 | <p>Freelance Backend Developer at SD&C GmbH</p> <p>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</p> <p>Java, Spring Boot, Docker, MSSQL, Camunda, IBM MQ, Liquibase</p> |
| 01/2021 - 11/2021 | Sabbatical & start of self-employment |
| 01/2019 - 12/2020 | <p>Backend Engineer at Signavio GmbH</p> <p>Feature development, maintenance and bug fixing in Java</p> <p>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</p> <p>Started basic use of Kubernetes and AWS</p> |
| 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> |

DevOps tasks: Containerization with Docker, Orchestration with Docker-Compose, automated 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 |
| 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), HTML, CSS and JavaScript |
| 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 as well as Frontend development with Flash (AS3) |

Skills

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

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 |
| 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 |