

MOUHAMMAD KHIER ABDOH

Senior Software Engineer — Backend, Platform & Technical Delivery

Java / Spring Boot · REST / OpenAPI · CI/CD · Kubernetes · Technical delivery

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PROFILE

Senior software engineer with 10+ years across software engineering and IT, including 4+ years building Java and Spring backend services. Combines production backend development with CI/CD, Kubernetes and hands-on technical delivery, most recently coordinating a team of seven.

CAREER HIGHLIGHTS

- 4+ years building Java/Spring backend services with REST/OpenAPI and PostgreSQL
- Built GitLab CI/CD, Docker packaging and Nexus artifact delivery from zero
- Set up and operated three Kubernetes environments through soft launch
- Contributed backend services to the production Klartax / DATEV tax application
- Coordinated seven developers as a hands-on development lead

TECHNOLOGY

Backend

Java 17 · Spring Boot · REST · OpenAPI · PostgreSQL · Maven

Platform & Delivery

GitLab CI/CD · Docker · Docker Compose · Kubernetes · Nexus · Git

Quality

JUnit · Mockito

Systems

Linux · VLAN / networking · pfSense

Additional

Python / Django · TypeScript · Flutter · Bash · AI-assisted development

WORK SETUP

- Available immediately
- Authorized to work in Germany
- Remote or hybrid around Ulm

PROFESSIONAL EXPERIENCE

Software Engineer / Development Lead | **Ibtikar – Manshoor · digital publishing platform**

Jan 2024 – May 2026 · Ulm / Remote

- Designed and built Java 17 / Spring Boot backend services with REST, OpenAPI and PostgreSQL, owning architecture decisions and contributing to the Flutter app.
- Introduced CI/CD from zero with GitLab pipelines, Docker containerization and Nexus artifact management for all services.
- Set up and operated development, staging and production Kubernetes environments and took the platform to a soft launch with pilot users.
- Coordinated seven developers as hands-on lead across planning, code reviews, ticket allocation and onboarding.
- Aligned technical topics with product owners and stakeholders and resolved complex defects and integration problems with the team.

Software Engineer | **adorsys GmbH & Co. KG · Klartax / DATEV**

Jun 2022 – Dec 2023 · Nuremberg / Remote

- Developed Java / Spring Boot backend services for tax-data processing in Klartax, a production application in the DATEV ecosystem.
- Implemented REST endpoints API-first from OpenAPI specifications and safeguarded changes with automated JUnit and Mockito tests.
- Optimized GitLab CI/CD pipelines and collaborated in a Scrum team using TypeScript, Jira and Confluence.

IT Engineer (Part-Time) | **Ulm University · Institute of Immunology**

Jan 2016 – Jan 2022 · Ulm

- Ran institute IT for dozens of users and lab systems, including Linux administration, VLAN segmentation and a pfSense firewall.
- Developed Java and Python tools for scientific equipment management and provided technical support and security analysis.

VoIP Administrator / Python Developer | **Pasifik Telekom · telecommunications**

Jan 2015 – Dec 2015 · Istanbul

- Implemented a Sippy VoIP system with FreeSWITCH integration and developed a Python/Django REST API.

EDUCATION

2016–2019

Cognitive Science master's coursework, Ulm University, Department of Computer Science
Coursework completed; no master's degree awarded

2009–2013

Bachelor of Engineering in Computer Science, Al-Kalamoon University, Syria
Completed a five-year program in 3.5 years

TRAINING

Kubernetes & DevOps Fundamentals · 2025-06

RESTful API Design · 2021-12

Spring Boot Camp · 2021-10

RHEL Essentials · 2011-12

CCNA · 2011-10

CompTIA A+ / Network+ / Security+ · 2009-08

LANGUAGES

Arabic

Native

English

C1

German

B1

EARLIER EXPERIENCE

Java Developer | Kancy · IoT home automation

Dec 2013 – Dec 2014 · Beirut

- Developed a modular OSGi smart-home platform with a multi-tier architecture and REST interfaces.

SELECTED PROJECTS

mka4tech.de — Personal Studio Website | 2026 · Launch preparation

- Built a trilingual Astro and Tailwind CSS website with German, English and Arabic RTL support for deployment on a personal VPS.
- Planned, implemented and documented the project with AI-assisted workflows, systematic human review and verification.

Kubernetes Homelab & Self-Hosted Server | ongoing

- Operate a personal VPS with Docker Compose, reverse proxy and TLS plus a Debian-based Kubernetes homelab node.
- Use the environment to test deployment patterns, networking setups and operational procedures.

Cross-Compiled Linux for ARM | Bachelor's graduation project, 2013

- Built a bootable Linux system for a Hardkernel ODROID-X2+ ARM board, including a custom cross-compilation toolchain, kernel and system packages from source.

WORKING APPROACH

- AI-assisted development with human review, tests and documented workflows
- Uses AI tools across planning, implementation, debugging, tests, reviews and documentation while keeping human verification and repository instructions explicit.
- Maintains reusable agent workflows and structured handoffs for repeatable engineering work.