

Hamza Chaouki

Master's Student in Information Systems



📍 Munich, Germany

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EDUCATION

M.Sc. Information Systems
Technical University of Munich

04/2025 – Present
Munich, Germany

B.Sc. Information Systems
Technical University of Munich

10/2021 – 03/2025
Munich, Germany

High School Diploma
Französisches Gymnasium Berlin

09/2018 – 06/2020
Berlin, Germany

EXPERIENCE

Software Engineer Intern
BMW Group

11/2025 – present
Munich, Germany

- Responsible for the end-to-end lifecycle of **Java** microservices for vehicle production, moving from architectural design and technical specifications to backend implementation.
- Established reliable vehicle-to-backend communication using **MQTT** and **REST APIs**, and ensured system observability via Prometheus metrics and Grafana dashboards.
- Orchestrated deployments using **Kubernetes** and **ArgoCD** (GitOps), and engineered a custom shared library to reduce code redundancy across services.
- Automated internal development workflows and processes using **GitHub Workflows** and APIs to increase team efficiency.

Working Student IT
Giorgio Armani

04/2024 – 10/2025
Munich, Germany

- Managed onboarding of new users, including hardware setup, account provisioning, and software installation across Germany and Austria.
- Automated internal processes through the development of software tools.
- Supported daily IT operations by assisting in network and system administration while maintaining and configuring critical hardware and software infrastructure.

Internship Frontend Team Lead
LaFamiglia VC

10/2023 – 02/2024
Remote

- Collaborative project between the Technical University of Munich and LaFamiglia VC.
- Team Lead of a dynamic front-end development team, leading weekly meetings and ensuring project alignment with stakeholder objectives.

- Designed and implemented a user-friendly interface, turning Figma mockups into a live Next.js application.

Working Student Full-Stack Developer

10/2022 – 03/2024

JS Advertising GmbH



Remote

- Automated the creation of Amazon campaigns by integrating the **Amazon Ads API**, significantly reducing manual overhead.
- Contributed to the open-source `python-amazon-ad-api` library, improving its usability for campaign automation.
- Implemented persistent storage with **MariaDB** including schema design and optimized queries.

PROJECTS & RESEARCH

AI-Based Document Redaction (DevOps Project)


05/2025 – 07/2025

 GitHub Repository |  Live Deployment

- Orchestrated a secure microservices platform for document anonymization using **Spring Boot**, **LangChain**, and **React**, featuring automated CI/CD pipelines (AWS, Kubernetes) and comprehensive monitoring.

MERN Stack Garage Booking Platform

05/2025 – 07/2025

 GitHub Repository |  Live Deployment

- Developed a full-stack booking application using **MongoDB**, **Express.js**, **React**, **Node.js** with integrated user authentication via Firebase and Google Cloud Platform.

VizIoT: Interactive Visualization of IoT Data

12/2024 – 05/2025

 GitHub Repository | *Bachelor's Thesis Project*

- Engineered a web-based visualization tool for real-time IoT sensor event streams to enhance process monitoring and analysis.

TECHNICAL SKILLS

Programming:	Java, Python, JavaScript/TypeScript, SQL
Frameworks:	Spring Boot, Quarkus, React, Next.js, Express.js, Flask
DevOps & Cloud:	Docker, Kubernetes, Helm, Vercel, AWS, GitHub CI/CD
Databases:	MongoDB, PostgreSQL, SQLite, MariaDB
Other:	REST APIs, Agile/Scrum, Design Patterns

LANGUAGES

English	Fluent	German	Fluent	French	Native
Arabic	Native	Spanish	B1 Level	Japanese	Basic