



David Sharma

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Skills

- Languages** German (Native), English (Full Professional Proficiency)
- Cloud & DevOps** AWS, Google Cloud, Azure, Terraform, Kubernetes, Docker, CI/CD, API Gateway
- AI & Frameworks** Vertex AI, LLM Integration, Spring Boot, Kafka, Streamlit, React, AngularJS
- Programming** Python, Java, Kotlin, JavaScript, Bash
- Certifications** GCP Associate Cloud Engineer, Azure Developer Associate (AZ-204), Azure Fundamentals (AZ-900)
- Technical Writing** 📖 OpenAI Assistants API, 📖 Model Context Protocol, 📖 LlamaIndex, 📖 Azure Identities

Professional Experience

Otto Payments

Hamburg

Senior Cloud Engineer - Platform Team Lighthouse

since 05.2025

- Advisory role for development teams on **cloud architecture** and **AI adoption strategies**, conducting architecture reviews and facilitating technology decisions
- Design and implementation of **AWS** and **GCP Landing Zones**, introduction of **Privileged Access Management (PAM)** with focus on API Gateway architecture
- Led development and evaluation of **GenAI PoCs** for internal teams, assessing technical fit and scalability, driving initiatives from prototype to production

Vattenfall

Hamburg

Software Engineer - Assets Efficiency

04.2024 - 03.2025

- Design and implementation of **CI/CD solution** for provisioning **Azure** resources using **Terraform** for disaster recovery
- Implementation of **CI/CD pipelines** in **Azure DevOps** for microservice deployments
- Development of microservices (Fullstack – **Kotlin/Angular**) in a **Kafka**-oriented cloud architecture

Commerzbank AG

Frankfurt am Main

Cloud Engineer - Big Data & Advanced Analytics

07.2023 - 03.2024

- Architecture design and migration of on-premise **AI/ML applications** to **Google Cloud**, leading technical evaluations and PoC development in close collaboration with business stakeholders
- Deployment of **AI services** on **GCP** leveraging Vertex AI, Cloud Functions, and BigQuery, design of **Python/Streamlit** frontend for data-driven credit processing

Fullstack Developer - Digital Banking Solutions

05.2022 - 06.2023

- Responsibility for **Spring Webflux** application, monitoring setup (**JMeter/Grafana/Prometheus**), **CI/CD optimization**, and mentoring

Software Engineer - IT Trainee Program

12.2020 - 04.2022

- Migration of infrastructure to **Google Cloud Platform** using **Terraform, Helm, and Kubernetes**, integration with **Azure AD FS** via **SAML-based SSO**

PPI AG

Hamburg

Master's Thesis Student

06.2020 - 12.2020

- Designed and deployed a **Conversational AI solution** for the **insurance sector** based on **RASA Framework** with NLP capabilities 📖 Project Page

adesso AG, Sopra Steria, Beiersdorf AG

Hamburg

Working Student / Intern

11.2018 - 08.2019

- Development of test automation strategies with Selenium, reference architecture for blockchain (**Ethereum**)

Fraunhofer IPA, adesso AG, Bosch.IO

Stuttgart

Fullstack Developer - Internship / Working Student / Bachelor's Thesis

03.2016 - 09.2018

- Development of **cloud applications (Spring Boot/Vaadin)** for Industry 4.0, cloud reference architectures based on **multi-agent systems**

E+H Gruppe

Pforzheim

Vocational Training - Insurance and Financial Services Specialist

09.2011 - 06.2014

- Consultative sales for complex insurance solutions, stakeholder management in regulated environment

Education

IT Management & Consulting MSc. (Ø 1.3)

University of Hamburg | 2018-2020

Study Abroad Semester - Computer Science Information Engineering

National Taiwan University | 2019

Business Informatics BSc. (Ø 1.3)

Reutlingen University | 2014-2018

Trainee - Management Assistant for Insurance and Finance (Ø 1.3)

E+H Group | 2011-2014