

Michael Lohr

Curriculum Vitae

Summary

Passionate about software development and design, web technologies, distributed systems & IoT, all things containers, DevOps, and game development.

Skills

Key Skills

- Software Development
- Product Management
- IoT Engineering
- Cloud Architecture
- Leadership
- Collaboration

Technical Skills

- Programming Languages: TypeScript, Python, Rust, C#, Java, C
- Web Technologies: ASP.Net Core, Vue.js, React/Next.js, Tailwind, Nginx
- Databases: DynamoDB, MongoDB, PostgreSQL, Redis, InfluxDB, Microsoft Dataverse
- Cloud Technologies: Docker, Kubernetes, Terraform, CDKTF, Amazon Web Services

Work Experience

STABL Energy HEAD OF CLOUD & IT	Jan 2025 – Present Munich, Germany
<ul style="list-style-type: none">Building, managing and leading the cloud engineering team, driving strategy and executionServing as Product Owner & Product Manager, overseeing product strategy and roadmap	
STABL Energy SENIOR CLOUD ARCHITECT	Aug 2023 – Dec 2024 Munich, Germany
<ul style="list-style-type: none">Designing and implementing scalable cloud systems for ingesting and analyzing near-real-time dataArchitecting and developing an IoT platform for remote battery storage management	
STABL Energy CLOUD ARCHITECT	Oct 2022 – Jul 2023 Munich, Germany
STABL Energy CLOUD ENGINEER, WORKING STUDENT	Jan 2022 – Sep 2022 Munich, Germany
<ul style="list-style-type: none">Implemented a fault-tolerant and scalable monitoring/logging architecture using the AWS CloudDeveloped embedded software to securely connect microcontrollers to the Cloud	
Filics PROJECT STUDY: FAULT-TOLERANT CLOUD-BASED MONITORING ARCHITECTURES FOR ROBOTICS	Aug 2021 – Dec 2021 Garching, Germany
<ul style="list-style-type: none">Developed a fault-tolerant and scalable monitoring/logging architecture inside the AWS CloudResearched and evaluated Cloud Computing solutions for robot/IoT appliances	
Amazon Web Services (AWS) SOLUTIONS ARCHITECT INTERN	Oct 2020 – Feb 2021 Munich, Germany
<ul style="list-style-type: none">Developed and delivered workshops on Machine Learning and Big Data in SaaS contextsConsulted Independent Software Vendors (ISVs) on AWS cloud offerings and architecture solutions	
Broken Vector UG FOUNDER & MANAGING DIRECTOR	Jan 2017 – Jul 2020 Eichenau, Germany
<ul style="list-style-type: none">Managed a team of three software developers and four 3D artistsDeveloped a voxel-based VR design software that was published on the Steam and Oculus store	
TÜV SÜD Sec-IT SOFTWARE DEVELOPER, WORKING STUDENT	Dec 2018 – Feb 2020 Munich, Germany
<ul style="list-style-type: none">Developed software modules for detecting security vulnerabilities in IT systemsDesigned and architected a distributed system for automated security vulnerability detection	
Lohr IT OWNER	Dec 2015 – Present Eichenau, Germany
<ul style="list-style-type: none">Building teams and managing software projectsDeveloping web applications, API services and desktop software	

Education

Technical University of Munich MASTER OF SCIENCE (M.SC.), INFORMATICS – SCORE: 1.6	2019 – 2022 Garching, Germany
<ul style="list-style-type: none">Focused on Internet of Things and Cloud ComputingIn my master's thesis, I presented a novel IaC approach for platform-independent cloud architectures and a transpiler system to deploy to different cloud platforms without platform-specific knowledge (graded 1.0/A+)	
Technical University of Munich BACHELOR OF SCIENCE (B.SC.), INFORMATICS: GAMES ENGINEERING – SCORE: 2.4	2015 – 2019 Garching, Germany
<ul style="list-style-type: none">Focused on Virtual Reality and Machine Learning in the field of human-computer interactionIn my bachelor's thesis, I researched and developed new interaction methods between smartphones and Virtual Reality applications (graded 1.0/A+)	

Certifications

AWS Certified Solutions Architect – Professional AMAZON WEB SERVICES (AWS)	Feb 2021
AWS Certified SysOps Administrator – Associate AMAZON WEB SERVICES (AWS)	Dec 2020 <i>expired</i>
AWS Certified Developer – Associate AMAZON WEB SERVICES (AWS)	Nov 2020 <i>expired</i>
DAAD English Language Certificate Level GER C1, UNICert III, ALTE Level 4 TECHNICAL UNIVERSITY MUNICH	May 2020
LCCI English Language Certificate Level 2 for Business and Commerce LONDON CHAMBER OF COMMERCE AND INDUSTRY	Jul 2013
Apprenticeship as Multimedia Assistant (VBP) VERBAND BAYRISCHER PRIVATSCHULEN	Jul 2013

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