Michael Lohr

Curriculum Vitae

„Because a Great Idea Is Never Enough"

Summary

Passionate about software development, web technologies, distributed systems, containers, DevOps, and game development.

Skills

Key Skills

- Software Development
- Project Management
- IoT Engineering
- Problem-solving
- Cloud Architecture
- Collaboration

Technical Skills

- Programming Languages: C#, Java, JavaScript, Typescript, Python, Rust
- Web Technologies: ASP.Net Core, Vue.js, React, HTML/SCSS, Nginx
- Databases: SQL, MongoDB, Redis, InfluxDB, Microsoft Dataverse
- Cloud Technologies: Docker, Kubernetes, Terraform, Amazon Web Services

Address
Lessingstr. 5
80336 München
Germany

Contact
☎ 004917685706626
✉ michael@lohr-ffb.de

Web
🌐 www.lohr.dev
in michael-lohr
michidk

Work Experience

STABL Energy — Oct 2022 – Present, Munich, Germany
CLOUD ARCHITECT

- Building up and managing the cloud team at STABL
- Designing and implementing a cloud-based system to ingest and analyze large amounts of near-realtime data
- Architecting a platform to control battery storage systems remotely
- Leading the development of FreeRTOS-based IoT devices written in Rust
- Managing enterprise software and network solutions for the different departments

Lohr, Jöstingmeier & Partner — Jun 2018 – Present, Pucheim, Germany
DATA PROTECTION OFFICER

Lohr IT — Dec 2015 – Present, Eichenau, Germany
OWNER

- Building teams and managing software projects
- Developing web applications and container-based backend software

STABL Energy — Jan 2022 – Sep 2022, Munich, Germany
CLOUD DEVELOPER, WORKING STUDENT

- Planned and implemented a fault-tolerant and scalable monitoring/logging architecture inside the AWS Cloud
- Developed software to securely connect microcontrollers to the Cloud

Filics — Aug 2021 – Dec 2021, Garching, Germany
PROJECT STUDY: FAULT-TOLERANT CLOUD-BASED MONITORING ARCHITECTURES FOR ROBOTICS

- Developed a fault-tolerant and scalable monitoring/logging architecture inside the AWS Cloud
- Researched different Cloud Computing solutions for robot/IoT appliances
- Developed integrations for the Robot Operating System (ROS)
- Defined requirements, selected hardware, and installed wireless communication hardware

Amazon Web Services (AWS)
SOLUTIONS ARCHITECT INTERN
Oct 2020 – Feb 2021
Munich, Germany
- Worked on different workshops covering topics like Machine Learning and Big Data in the SaaS context
- Directly consulted Independent Software Vendors (ISVs) about AWS's cloud offerings and proposed architectures
- Built proof of concepts of Cloud architectures using the AWS offering for customers

Broken Vector UG
FOUNDER & MANAGING DIRECTOR
Jan 2017 – Jul 2020
Eichenau, Germany
- Managed a team of three software developers and four 3D artists
- Developed a voxel-based VR design software that was published on the Steam and Oculus store
- Developed new product ideas, prototypes, and final software products
- Managed business and customer relations

TÜV SÜD Sec-IT GmbH
SOFTWARE DEVELOPER, WORKING STUDENT
Dec 2018 – Feb 2020
Munich, Germany
- Developed software modules to detect security flaws in IT systems
- Planned and designed the architecture of a distributed system for the automated detection of security vulnerabilities
- Deployed software on a Docker/Kubernetes-based platform in the Microsoft Azure Cloud
- Lead the development of a Microsoft ASP.NET Core-based backend
- Developed microservices to handle large-scale email traffic

Technical University of Munich
STUDENT TUTOR
Oct 2016 – Apr 2017
Garching, Germany
- Prepared and held lectures about programming to ~25 students
- Corrected exercises and exams

Klinikum rechts der Isar der TU München
INTERNSHIP
Jul 2013 – Jul 2013
Munich, Germany

MIPM Mammendorfer Institut für Physik und Medizin GmbH
INTERNSHIP
Jul 2012 – Jul 2012
Mammendorf, Germany

Certifications

AWS Certified Solutions Architect – Professional
AMAZON WEB SERVICES (AWS)
Feb 2021

AWS Certified SysOps Administrator – Associate
AMAZON WEB SERVICES (AWS)
Dec 2020

AWS Certified Developer – Associate
AMAZON WEB SERVICES (AWS)
Nov 2020

AWS Certified Solutions Architect – Associate
AMAZON WEB SERVICES (AWS)
May 2020

DAAD English Language Certificate Level GER C1, UNIcert III, ALTE Level 4
TECHNICAL UNIVERSITY MUNICH
May 2020

Machine Learning
STANFORD UNIVERSITY
Jul 2017

Unity Certified Developer
UNITY TECHNOLOGIES
Aug 2016
expired

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