

# Michael Lohr

Curriculum Vitae



*„Because a Great Idea is Never Enough.“*

## Summary

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## Skills

### Key Skills

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### Technical Skills

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### Address

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80336 München  
Germany

### Contact

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michael@lohr-ffb.de

### Social

michael-lohr   
michidk

## Work Experience

### STABL Energy

Oct 2022 – Present

#### CLOUD ARCHITECT

Munich, Germany

- 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

### STABL Energy

Jan 2022 – Present

#### CLOUD DEVELOPER, WORKING STUDENT

Munich, Germany

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

### Lohr IT

Dec 2015 – Present

#### OWNER

Eichenau, Germany

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

### Lohr, Jöstingmeier & Partner

Jun 2018 – Present

#### DATA PROTECTION OFFICER

Puchheim, Germany

### Filics

Aug 2021 – Present

#### PROJECT STUDY: FAULT-TOLERANT CLOUD-BASED MONITORING ARCHITECTURES FOR ROBOTICS

Garching, Germany

- 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

<b>Amazon Web Services (AWS)</b> SOLUTIONS ARCHITECT INTERN	Oct 2020 – Present Munich, Germany
<ul style="list-style-type: none"><li>• Worked on different workshops covering topics like Machine Learning and Big Data in the SaaS context</li><li>• Directly consulted Independent Software Vendors (ISVs) about AWS's cloud offerings and proposed architectures</li><li>• Built proof of concepts of Cloud architectures using the AWS offering for customers</li></ul>	

<b>Broken Vector UG</b> FOUNDER & MANAGING DIRECTOR	Jan 2017 – Present Eichenau, Germany
<ul style="list-style-type: none"><li>• Managed a team of three software developers and four 3D artists</li><li>• Developed a voxel-based VR design software that was published on the Steam and Oculus store</li><li>• Developed new product ideas, prototypes, and final software products</li><li>• Managed business and customer relations</li></ul>	

<b>TÜV SÜD Sec-IT GmbH</b> SOFTWARE DEVELOPER, WORKING STUDENT	Dec 2018 – Present Munich, Germany
<ul style="list-style-type: none"><li>• Developed software modules to detect security flaws in IT systems</li><li>• Planned and designed the architecture of a distributed system for the automated detection of security vulnerabilities</li><li>• Deployed software on a Docker/Kubernetes-based platform in the Microsoft Azure Cloud</li><li>• Lead the development of a Microsoft ASP.NET Core-based backend</li><li>• Developed microservices to handle large-scale email traffic</li></ul>	

<b>Technical University of Munich</b> STUDENT TUTOR	Oct 2016 – Present Garching, Germany
<ul style="list-style-type: none"><li>• Prepared and held lectures about programming to ~25 students</li><li>• Corrected exercises and exams</li></ul>	

<b>Klinikum rechts der Isar der TU München</b> INTERNSHIP	Jul 2013 – Present Munich, Germany
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<b>MIPM Mammendorfer Institut für Physik und Medizin GmbH</b> INTERNSHIP	Jul 2012 – Present Mammendorf, Germany
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<b>Certifications</b>	
<b>AWS Certified Solutions Architect - Associate</b> AMAZON WEB SERVICES	Okt 2022 <i>expired</i>