Dr. Mark A. Schmitz

DevOps Manager & Scientist

Expertise

Team Management
DevOps, CI/CD, Cloud
Communication
Critical Thinking
Problem Solving
Web Development
Data Management
Reproducibility

Languages

German, English, Portuguese,
French, Chinese

Academic degree

PhD in Biochemistry
Uni Zürich, Switzerland 2015

Contact

mark.schmitz@mailbox.org
dosmo.de

Professional Profile

Leading projects from system architecture design through iterative development cycles to release. Translate internal and external requirements into agile and effective products with a focus on reproducibility, user experience, and maintainability.
Skilled at analysing problems and establishing efficient solutions, with a passion for quality, usability, security, and scalability.
Committed to development, research, and documentation.

Experience

DevOps Manager · 2022 – 2024

Frontiers · Remote, Germany

- Provisioning, deployment, configuration, monitoring, and maintenance of cloud systems
- Innovation, research, and development
- Head of the Systems Delivery team of 8 people

Freelancing · 2021 – 2022

Parede, Portugal

- DevOps for (macOS) ungoogled chromium web-browser
- Web development: design, engineering, and deployment
- Scientific analysis and documentation

Senior data manager · 2019 – 2021

IGC · Oeiras, Portugal

- Automation and optimization of data pipelines
- Programming of scientific simulations
- Lab manager of up to 10 people

Lead front-end developer · 2015 – 2018

Ategra AG · Zürich, Switzerland

- UX Engineer
- DevOps Engineer, Containerization, Infrastructure as code