MARCO MÜLLNER

Engineering Manager | Team Builder | Software Architect | Cloud Solutions Expert

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SUMMARY

Versatile engineering leader with 15+ years of experience building scalable systems and high-performing teams. Specialized in bridging complex domains into technical solutions using Domain-Driven Design, pragmatic architecture, and strong mentoring. Proven track record of doubling engineering output, maturing processes, and guiding organizations through growth and modernization. Hands-on across the stack with deep technical background (C#, Python, Node.js, C/C++), now focused on leadership, system design, and organizational excellence.

KEY ACHIEVEMENTS

Team Expansion Success
Hired 4 engineers, expanding to 10+ engineers

Enhanced Delivery Efficiency
Improved project delivery times by 30% through new processes.

Bug rate reduction
Achieved 50% Bug rate reduction within 1 year

System Stability Improvement
Reduced system downtime by 25% using proactive monitoring.

EXPERIENCE

2022 - 2025
Munich, Germany

Engineering Manager
AMPEERS ENERGY GmbH

- Built and scaled three engineering teams (10+ engineers) delivering products for platform, Mieterstrom, and infrastructure.
- Doubled team output by implementing organizational/coding standards and effective delivery practices.
- Decreased Bug rate by 50% by implementing TDD driven standards.
- Implemented & lead various team culture and process initiatives, such as Feedback workshops and agile methodology like Kanban.
- Led architecture initiatives for scalable cloud platforms.
- Hands on work during critical phases, using various technologies from Python to NodeJS, Docker and ArgoCD
- Mentored engineers & tech leads, supporting career growth from junior to senior roles and further.

2013 - 2022
Austria, Germany

Consultant & Software Engineer
Self employed

- Delivered 20+ industrial automation and manufacturing projects across Austria and Germany
- Designed SCADA/HMI systems for gas turbines and semiconductor equipment
- Built industrial control libraries with hardware interfacing and computer vision
- Consulted on CI/CD, Git adoption, and software quality practices

2016 - 2019
Innsbruck, Austria

Data Scientist & Research Engineer
University of Innsbruck, Stellar Astrophysics

- Applied ML/statistical techniques to satellite time-series data for stellar oscillations research
- Published in peer-reviewed journals
- Python NumPy / Pandas / TensorFlow

2012 - 2013
Innsbruck, Austria

BI Engineer
Racon West

- Designed and maintained a banking data warehouse, enabling enterprise-scale financial reporting and analytics
- SQL BI / Windows Server

2010 - 2012
Kramsach, Austria

Software Engineer
Ricmar GmbH

- Developed and maintained software for industrial machinery, spanning embedded systems and UI design
- Contributed to project management and feasibility studies
- C / C++ / Qt / Linux

EDUCATION

2013 - 2020
Innsbruck, Austria

Physics
University of Innsbruck

- Focus on astrophysics and asteroseismology; emphasis on statistical analysis and machine learning

2004 - 2009
Innsbruck, Austria

Electronics
HTL Innsbruck

- Specialization in IT and electronics

LANGUAGES

English
Advanced



German
Advanced



SKILLS

C/C++ | C# | Domain Driven Design | EF Core | Embedded System | Git | GitHub | Kubernetes | Linux | NumPy | Pandas | Python | React | SCADA | SQL | TensorFlow | TypeScript | Leadership | Your Skill | WPF | Node.js

FIND ME ONLINE

Github
https://github.com/MarcoMuellner

LinkedIn
https://www.linkedin.com/in/marco-m%C3%BCllner-02121444/

Website
https://marco.muellner.tech

INTERESTS

Mountain hiking

Skiing

Reading

Technical side projects