

MOHAMED MEKADMINI

 Munich, Germany

 Portfolio

 mekadmini

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PROFILE STATEMENT

Dynamic and results-oriented Software Engineer specialized in CI/CD, DevOps, and backend systems. Skilled in automating workflows, improving deployment pipelines, and optimizing system reliability in Linux-based environments. Passionate about leveraging modern cloud technologies to deliver scalable software, while applying data science and machine learning principles to build smarter and more efficient solutions.

EXPERIENCE

Rohde & Schwarz

Jun 2024 – Present

Software Engineer (Working Student)

Munich, Germany

- Automated 3GPP spec updates, reducing manual effort from one month to one week using GitLab CI/CD pipelines.
- Provisioned build nodes with Ansible, reducing setup time from 2+ hours to fully automated configuration.
- Migrated legacy Jenkins pipelines and hardware-dependent CI jobs to Docker-based GitLab runners.
- Enhanced compliance pipelines with automated SBOM generation and publishing.
- Developed Python tools for CI/CD automation and dependency management across 20+ repositories.

Ludwig Maximilian University of Munich

Oct 2021 – Apr 2024

Tutor — Programming & Software Development

Munich, Germany

- Conducted Java and Haskell tutorials for up to 35 students, reinforcing software engineering concepts.
- Supervised Python labs and assisted student teams with debugging and best practices.
- Evaluated coursework, assisted in exam supervision, and provided personalized student support.

TECHNICAL SKILLS

- Programming:** Python, C++, Java, SQL, Haskell
- DevOps & Automation:** GitLab CI/CD, Docker, Jenkins migration, Ansible, Renovate
- ML/AI:** scikit-learn, TensorFlow, PyTorch
- Tools:** Git, LaTeX, Linux, MS Teams Workflows

EDUCATION

Ludwig Maximilian University of Munich

Oct 2024 – Present

Elite M.Sc. Data Science

Munich, Germany

- Current average: 1.15/1.0
- Project: Web app transforming user sketches into AI-generated stories (GitHub)

Ludwig Maximilian University of Munich

Oct 2020 – May 2024

B.Sc. Computer Science + Mathematics

Munich, Germany

- Final average: 1.12/1.0
- Bachelor's thesis: Conformal Prediction for Preference Learning (Uncertainty Quantification)

LANGUAGES

- German (C1) • English (C2) • Arabic (Native)

INTERESTS

- Machine Learning, Data Science, CI/CD Automation, Backend Systems
- Conformal Prediction, AI Alignment, Web Development
- Research, Programming, Automation