

MOHAMED MEKADMINI

🏠 Munich, Germany 🌐 [Portfolio](#) [in mekadmini](#) [🔗 mekadmini](#)

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)

PROJECTS & CERTIFICATIONS

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

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