

Mariam Ghamgui

Junior DevOps Engineer

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Professional Profile

Junior DevOps Engineer passionate about cloud automation and AI-powered infrastructure. Contributed to projects automating Azure resource management and building intelligent assistants to simplify operations. Improved CI/CD pipelines and monitoring to boost deployment efficiency and system observability.

Eager to apply my skills to drive efficient, scalable cloud solutions.

Primary stack: Azure, Aws, Python, OpenAI, GitHub Actions, Docker, Kubernetes, LangChain, Rasa

Professional Experience

02/2025 – 05/2025 DevOps & Cloud Engineer Intern

Move2Cloud - move2cloud.fr | Paris, France (Remote)

Agentic Ai for automating cloud resource management on Azure

Tech stack: Azure, Python, OpenAI, GitHub Actions, Infrastructure as Code

- Accelerated cloud operations by 60% by enabling Azure resource management through natural language conversations.
- Enhanced user experience using GPT-powered multi-step flow with smart suggestions and secure action execution through prompt engineering techniques.
- Automated infrastructure deployment with Bicep for rapid provisioning and configuration.
- Streamlined delivery pipeline through CI/CD automation with GitHub Actions for deployment and testing.

07/2024 – 09/2024 DevOps Engineer Intern

Altersis Performance - qiminfo.ch | Tunis, Tunisia (Remote)

Exploring Observation Tools for Microservices

Tech stack: Docker, Minikube, JMeter, Coroot, SigNoz, Netdata

- Improved system observability by integrating Coroot, SigNoz, and Netdata into a microservice-based application, enabling real-time performance insights.
- Reduced manual setup time by automating the deployment of monitoring agents and Dockerized services on Minikube.
- Enhanced reliability metrics through performance benchmarking using JMeter, identifying and resolving performance bottlenecks.

- 07/2024 – 09/2024 AI Engineering Intern
Doxso Technologies - doxso-technologies.com | Sfax, Tunisia (Remote)
University Data Assistant using Retrieval-Augmented Generation and Llama2
Tech stack: LangChain, Llama 2, ChatOllama, MySQL, Vue.js, Laravel
- Delivered a production-ready AI chatbot integrated into the Enet'Com university website, improving student access to academic information and reducing search time by 70%.
 - Enabled real-time access to university dataset by converting user intents from natural language into SQL queries via a pretrained LLM.

Projects

- CI/CD Automation for Production-Ready Blog Platform
Tech stack: Jenkins, SonarQube, Nexus, Trivy, Docker, AWS, Terraform, Prometheus, Grafana
- Boosted deployment speed and reliability with a secure CI/CD pipeline featuring automated testing, vulnerability scanning, and real-time monitoring for a production-ready blog platform.

- Cloud-Native University Chatbot with Rasa
Tech stack: Rasa, MongoDB, PostgreSQL, Docker, Kubernetes, GitHub Actions
- Enabled fast access to university information by deploying a multilingual chatbot with dynamic content, reducing website navigation time and streamlining updates through CI/CD automation.

- AI Assistant for PDF-Based Queries
Tech stack: LangChain, FAISS, Llama 2, Chainlit
- Allowed natural language search over PDF documents by developing an AI assistant that extracts and returns precise answers, reducing reading time and improving information access.

Education

- 09/2022 – 06/2025 Diploma in Industrial Computer Engineering
National School of Electronics and Telecommunications of Sfax
Sfax, Tunisia
- 09/2020 – 06/2022 Pre-Engineering Studies
Preparatory Institute for Engineering Studies
Sfax, Tunisia

Additional Skills & Interests

Languages

- English (B2 certified by TOEIC), German (A1), French (Bilingual), Italian (A2), Arabic (Mother Tongue)

Interests

- Enthusiastic about solving complex puzzles - recently completed a 1000-piece set, which sharpened my persistence, pattern recognition, and problem-solving skills.
- Passionate about handmade crafts such as crochet and embroidery - creative outlets that cultivate patience, precision, and attention to detail.