Mohamed Rjeb

Full Stack DevOps Engineer

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I am an IT engineer with five years of experience, specializing in DevOps engineering. Currently seeking an opportunity in a dynamic team, I am eager to leverage my expertise in deployment automation, continuous delivery process optimization, and cloud environment management. My goal is to contribute to enhancing the efficiency and reliability of infrastructures and workflows within the organization.

SKILLS

Cloud
AWS, Docker, Kubernetes

Ianfrastructure
Terraform, Terragrunt, Ansible

CI/CD Automation & Scripting
GitLab CI/CD, Github Actions, Jenkins, Python, Shell

Monitoring & Supervision
Prometheus, Grafana, Node Exporter, AWS Cloud Watch, SonarQube

Programming Languages
Python, Typescript, Javascript, HCL, SQL/PLSQL, Bash, Dart

Frameworks
Django, FastAPI, Flask, Tensorflow, Keras, PyQt, AngularJs, NodeJs, NestJs, ExpressJs, WordPress, Flutter

Databases
MongoDB, Firebase, MySQL, PostgreSQL

Languages
English (Fluent)

EDUCATION

Present

Engineering Degree in Computer Science
ITeam University : Tunis
- Ongoing

2023

Bachelor's in Network Administration and IT Services
Higher Institute of Computer Science (ISI), Ariana, Tunisia
- Mention: very good

2019

2016

COURSES & TRAININGS

- AWS: Developer – Associate / Cloud Practitioner
- AWS: SysOps Administrator - Associate
- Hashicorp Terraform IaC – Associate   (2024 Certified)
- Certified Kubernetes Administrator (CKA)
- Docker Certified – Associate
- DevOps BootCamp With Nana
- Python: MTA / PCEP / PCAP / PCPP1 - AI / Web Development / Ethical Hacking / Threading & MultiProcessing / Networking

EXPERIENCES

- **09/2022 – 11/2024. Full Stack Devops Engineer @AllenceTunisie, Tunis, Tunisia**

Project: ALLGO

Team: 8 Full Stack DevOps developers, 3 Mobile developers, 1 Tech Lead, 1 Product Owner, 1 QA Tester

Context : a comprehensive enterprise management application providing extended functionality for financial management, human resources, and internal communication.

- **Cloud Architecture:** Built and optimized resilient AWS cloud architectures using multiple services such as IAM, S3, Lambda, API Gateway, SQS, CloudFront, Route53 and Cognito.
- **Infrastructure as Code:** Implemented reproducible infrastructure using Terraform, simplifying AWS resource management.
- **CI/CD Pipelines:** Managed deployment pipelines with GitLab CI for backend (Node.js, Python) on AWS Lambda and frontend (Angular) on AWS S3.
- **Backup & Recovery:** Automated backup strategies using GitLab CI jobs and configured quick recovery mechanisms with Ansible playbooks.
- **Secrets Management:** Managed secrets and environment variables with Hashicorp Vault.
- **Monitoring:** Monitored system metrics and performance using AWS CloudWatch, Prometheus, and Grafana and configuring custom dashboards and alerts for critical issues.
- **Development:** Developed backend REST APIs and reusable Angular components, documented APIs with Swagger, and optimized MongoDB queries.
- **Automation:** Created a Discord bot to organize daily meetings, send activity reminders, and welcome new members using the AI tool GPT.

Technologies Used: AWS, Docker, Python, Terraform, MongoDB, Vault, Gitlab, Angular, NodeJs, ExpressJS, LocalStack, Ansible, Grafana, Prometheus, DiscordAPI, PostmanAPI, SwaggerAPI

- **07/2020 – 07/2022. Full Stack DevOps Engineer @YAYI, Paris, France (Remote)**

Projet: CHARLIZ

Team: 5 Full Stack DevOps developers, 1 Cloud Architect, 1 Tech Lead, 1 Product Owner.

Context: The "Charliz" project is a stylist booking platform based on hourly rates. It involves creating diagrams and implementing a continuous delivery process to ensure regular and reliable deployment of features. The goal is to provide stylists and clients with a seamless and intuitive experience for booking personalized services.

- **Containerization & Deployment:** Developed Dockerfiles for frontend (Angular with Nginx) and backend (Python Flask) applications; managed Kubernetes clusters on company servers using Minikube, enhancing system reliability.
- **Infrastructure:** Use kubernetes Helm charts to streamline deployment and Kustomize to maintain and manage deployments across various environments.
- **Automation:** Configured advanced CI/CD pipelines in GitLab CI, implemented fault tolerance mechanisms in Kubernetes for pod recovery.
- **System Development:** Created client registration systems, dashboards for order management, stylist administration interfaces, and quotation management features.

Technologies Used: Docker, Kubernetes, Helm, Python, Terraform, MongoDB, Gitlab, Angular, Gitlab CI/CD, Postman.

- **07/2019 – 06/2020. Computer Vision Engineer @Liberrex, Tunis, Tunisia**

Projet: BIRD VISION

Team : 3 Web developers, 1 Mobile applications developer, 1 Tech Lead.

Context: The "Bird Vision" project involves a system for detecting and tracking pedestrians and objects using computer vision. The system is deployed in designated agencies to track client movements, predict their actions, and interpret their emotions through facial expressions.

- **Computer Vision Development:** Developed facial recognition, object detection, sentiment analysis, and OCR models for ID scanning.
- **Deployment:** Deployed solutions on Linux servers with configuration of SFTP and SSH protocols with automated processes using Systemd.

Technologies Used: Python, OpenCV, Tensorflow, Keras, AWS Rekognition, Tesseract OCR, Postman.

- **01/2018 – Present: IT Trainer and Instructor.**

Summary:
Experience in delivering technical training, developing educational materials, and facilitating learning sessions across various IT disciplines. Proven ability to enhance learners' skills, tailor content to diverse audiences, and stay up-to-date with the latest trends and technologies in the industry.

Responsibilities and Skills:
- Develop and deliver comprehensive training programs on IT topics such as system administration, software development, and web development.
- Design and produce high-quality training materials, including presentations, manuals, and online resources tailored to various learning styles.
- Organize and lead workshops and hands-on labs to provide practical experience and deepen understanding of technical concepts.
- Assess participants' progress and performance through quizzes, assignments, and practical exercises.
- Excellent verbal and written communication skills, capable of explaining complex concepts in a clear and engaging manner.
- Ability to conduct interactive and engaging training sessions that encourage participation and knowledge retention.