ELAGAS Amel

DevOps & Cloud Infrastructure Engineer

With over 4 years of experience designing secure CI/CD pipelines, implementing DevSecOps practices, and automating multi-cloud deployments (AWS, Azure, GCP). Skilled in Infrastructure as Code (IaC), zero-downtime releases, and FinOps for cost optimization. Adept at leading technology initiatives that enhance security, reliability, scalability, and operational efficiency across distributed systems.

Contact

+216 97 272 455 | Tunisia – Driving licence | **lagas.amel@gmail.com** | **Github** | **Portfolio** | **Linkedin**

Core Skills

CI/CD & Automation (Jenkins, Fastlane, Ansible, Shift-Left Testing) · **Infrastructure as Code** (Terraform, AWS SDK) · **Cloud Platforms** (AWS, Azure, GCP, EDARATCLOUD, Infomaniak) · **Containerization**, **Orchestration & Web Servers** (Docker, Docker Compose, Kubernetes, Nginx, OpenResty) · **Mobile DevOps** (Xcode, Gradle, TestFlight, App Store, Google Play, Blue-Green & Canary releases, MobSF) · **Monitoring & Logging** (Grafana, Prometheus, AWS CloudWatch) · **Security & Networking** (IAM, VPC, Route 53, TLS/SSL, OpenVPN, Asterisk, Firewall, SSL Pinning, Let's Encrypt) · **FinOps & Cost Optimization** (AWS Cost Explorer, rightsizing, budgeting, audits) · **Scripting** (Python, Bash/Shell) · **Build & Packaging** (Gradle, Xcode, npm, Yarn) · **Web Development** (ReactJS, React-Bootstrap, Material UI, HTML/CSS, ElectronJS) · **Back-End** (Node.js, Express.js, MongoDB, DynamoDB) · **Big Data** (Hadoop, MapReduce) · **Methodologies** (Agile, Scrum) · **High Availability & Scalability** (Load Balancing, Disaster Recovery, Auto Scaling) · **Version Control** (Git, GitHub)

Work Experience

Tech Lead – Cloud & DevOps / Mobile CI/CD   Since Nov. 2024
iMaxeam IBM Premier Business Partner Sousse, Tunisia

- **Lead** end-to-end delivery of MAXapps projects for SNB, KIDANA, AGL, and KAFD, ensuring system stability and on-time delivery.
- **Designed, implemented, and maintained** high-performance CI/CD pipelines with Jenkins, Fastlane, Terraform, and Ansible, **increasing release speed by 40%** and **reducing manual errors by 90%**.
- **Automated** mobile app deployment to Google Play and Apple App Store, **cutting delivery time by 50%**.
- **Leveraged AWS services** (S3, Route 53, VPC) for artifact storage, DNS management, and proxy configuration, **supporting 50+ projects** and **improving deployment efficiency by 35%**.
- **Remediated 100+ vulnerabilities**, **enhanced app security by 60%**, and **achieved 98% observability**.
- **Managed and resolved** critical production incidents (24/7), **reduced MTTR by 40%**, ensured **98% uptime**, and conducted root-cause analysis.
- **Implemented FinOps practices**, **achieving 30% reduction in cloud costs** through audits, rightsizing, and waste elimination.

Cloud & DevOps Engineer   Oct. 2022 - Oct. 2024
iMaxeam | IBM Premier Business Partner Sousse, Tunisia

- **Designed and deployed AWS cloud infrastructure** using Terraform, enabling scalable and reproducible environments across multiple projects.
- **Built and optimized CI/CD pipelines**, **improving deployment reliability by 40%** and **reducing rollback incidents by 30%**.
- **Automated infrastructure operations and deployments**, reducing manual provisioning time and operational errors.
- **Collaborated closely** with development and QA teams to improve release quality and delivery speed.

Cloud & DevOps Engineering Intern (AWS | Terraform)   Jan. 2022 - Sept. 2022
iMaxeam IBM Premier Business Partner Sousse, Tunisia

- **Implemented automated Infrastructure as Code (IaC) provisioning with Terraform and AWS**, enabling **99% reproducible deployments** and scaling cloud environments for **10+ projects** with **zero downtime**.
- **Integrated continuous testing and version control**, improved deployment reliability by **40%** and reduced rollback incidents by **30%**.
- **Developed a ReactJS + ElectronJS automation tool** for Terraform module execution, cut manual AWS resource provisioning time by **50%** and eliminated human error in cloud infrastructure changes.

Technician Internship   Jan. 2019 - May 2019
ComunikCRM Menzeh 7, Tunisia

- Implemented and managed a secure Asterisk VoIP system with OpenVPN, improving communication reliability by **80%**.
- Developed a web monitoring application that provided real-time call logs, analytics, and downloadable MP3s, reducing troubleshooting time by **40%**.

Education

National Engineer's Degree in Teleinformatics   2019 - 2022
Higher Institute of Computer Science and Communication Technologies of Hammam Sousse (ISITCOM) Sousse, Tunisia
Honors: Good | Class Rank: 1st

Fundamental Bachelor's Degree in Teleinformatics   2016 - 2019
Higher Institute of Information and Communication Technologies (ISTIC) Borj Cedria, Tunisia
Honors: Good | Class Rank: 1st | Blockchain Diploma

Projects

- **Lead DevOps Engineer - Global MAXapps Infrastructure (2022–2025)**:
  * Installed, configured, and upgraded MAXapps Mobile servers on RedHat, Debian, Windows Server, and Docker, ensuring **90% uptime** and optimized performance. Delivered on-premise deployments across KSA (MOT, MOC, MOF, Tadbeir, KAFD, RCJY, Jeddah, Tarshid, LADUN), Africa (RTC, BDEAC, Gaia Sofert), Europe (AGL, Lhyfe), and USA (UCSDH, CSWG), **reducing deployment time** by **50%** and achieving high client satisfaction.
  * Owned the full lifecycle management, performing upgrades, conducting security checks, and troubleshooting critical issues to ensure **90%** uptime and system integrity.
- **Release & App Store Management (2022-2025)**:
  Led the full lifecycle of 20+ mobile applications, managing releases on Apple App Store and Google Play, coordinating cross-functional teams of developers and QA to ensure timely, high-quality deliveries.
- **AWS Serverless Deployment Using Terraform (2022)**:
  Designed and deployed a **serverless cloud solution** (API Gateway, Lambda, DynamoDB) automated with Terraform, reducing manual deployment effort by **70%** and improving scalability across **5+ environments**.
- **Docker Compose Web App (2021)**:
  Containerized **web applications with Docker Compose**, which cut setup time by **60%** and ensured consistent multi-environment deployments for **cross-platform projects**.
- **Kubernetes (Minikube) Cluster Operations (2021)**:
  Diagnosed and optimized **Kubernetes deployments** using YAML manifests and CLI tools, improving cluster uptime by **25%** and accelerating rollouts through automated scaling and recovery.
- **MERN Stack Project (2021)**:
  Developed the **ISITCOM PFE Library** web platform using the MERN stack, which supported **100+ students** and streamlined project submission workflows by **50%**.
- **AI & Android (2021)**:
  Developed a TensorFlow Lite Android app enabling **real-time, offline object detection** on edge devices.

Certifications & Training

- **Oracle Cloud Infrastructure (OCI) :**
  DevOps Professional (1Z0-1109-25) | Foundations (1Z0-1085-25) | AI Foundations (1Z0-1122-25) | Data Platform Foundations (1Z0-1195-25)
- **Harness :**
  Infrastructure as Code (IaC) Management | Continuous Delivery & GitOps | Cloud Cost Management | Security Testing Orchestration
- AWS Certified Cloud Practitioner (CLF-C02)
- Microsoft Certified: Azure Fundamentals (AZ-900)
- Big Data Engineer v2 Mastery Award (IBM)
- Aviatrix Certified Engineer – Multicloud Network Associate (ACE)
- Cybersecurity Essentials (LFC108)
- Understanding the OWASP® Top 10 Security Threats (SKF100)
- ISO/IEC 27001 – Dynamics of Information Security Management System, ISMS (Alison CPD Certified)
- FinOps Certified Practitioner (Kodekloud)
- OpenShift 4 (Kodekloud)
- HashiCorp Certified: Terraform Associate DevOps Masterclass (Udemy)
- PSM I – Professional Scrum Master Training Certificate
  (Credential links available on LinkedIn or upon request)

Volunteer Experience

Team Leader   Oct. 2021 - Dec. 2021
Competition: The Night of Computing 2021 ISITCOM Hammam Sousse
- Led a team of **5–9** members to deliver an innovative IT solution under tight deadlines

Student volunteer   Jan. 2021 - Jun. 2021
Club ISF ISITCOM Hammem Sousse
- Restored **15+** PCs for 3 schools, enabling **200+** students' digital access and reducing e-waste

Team member   Nov. 2019 - Dec. 2019
Competition: The Night of Computing 2019 ISITCOM Hammam Sousse
- Designed and delivered innovative IT solutions within **24 hours**, achieving **2nd** place among **14** teams in the **3DS OUTSCALE** 'Escape from Chaos Monkey' challenge

Languages

English (C1 – Advanced), **French** (B2 – Intermediate), **Arabic** (Native)