

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

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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)
- Aviatix 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
<b>Competition: The Night of Computing 2021 ISITCOM Hammam Sousse</b>	
• Led a team of <b>5–9</b> members to deliver an innovative IT solution under tight deadlines	
Student volunteer	Jan. 2021 - Jun. 2021
<b>Club ISF ISITCOM Hammam Sousse</b>	
• Restored <b>15+</b> PCs for 3 schools, enabling <b>200+</b> students' digital access and reducing e-waste	
Team member	Nov. 2019 - Dec. 2019
<b>Competition: The Night of Computing 2019 ISITCOM Hammam Sousse</b>	
• Designed and delivered innovative IT solutions within <b>24 hours</b> , achieving <b>2nd</b> place among <b>14</b> teams in the <b>3DS OUTSCALE</b> 'Escape from Chaos Monkey' challenge	

## Languages

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