

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 Mar. 2022

[iMaxeam IBM Premier Business Partner Sousse, Tunisia](#)

- 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**, cut delivery time by **50%**.
- Leveraged AWS services (S3, Route 53, VPC)** for artifact storage, DNS management, hosted zone creation, and proxy configuration, supported **50+** projects and improved 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**, achieved a **30%** reduction in **cloud costs** and improved ROI through audits, rightsizing, and waste elimination.
- Led end-to-end delivery of MAXapps projects** for **SNB, KIDANA, AGL and KAFD**, ensured system stability and **delivered** projects on time.

DevOps & Cloud 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%**.

Final Year Project Internship

July 2018 - Aug. 2018

[Tunisie Télécom CSC Sfax, Tunisia](#)

- Participated in GPON fiber deployments for **10+** subscribers, monitoring and resolving incidents to reduce downtime **40%**.

Entry-Level Internship

July 2017 - Aug. 2017

[Sabena Technics, Habib Bourguiba International Airport Monastir, Tunisia](#)

- Practical experience in aircraft engine maintenance and inspection of critical mechanical and electronic systems.

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 50+ 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 2025 Certified DevOps Professional 1Z0-1109-25 ([Oracle](#))
- Oracle Cloud Infrastructure 2025 Certified Foundations Associate ([Oracle](#))
- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate ([Oracle](#))
- Aviatrix Certified Engineer (ACE) – Multicloud Network Associate ([Aviatrix](#))
- Harness Certified Infrastructure as Code Management Developer ([Harness Inc](#))
- Harness Certified Continuous Delivery & GitOps Developer ([Harness Inc](#))
- Harness Certified Cloud Cost Management Developer ([Harness Inc](#))
- Harness Certified Security Testing Orchestration Developer ([Harness Inc](#))
- HashiCorp Certified: Terraform Associate DevOps Masterclass ([Udemy](#))
- Cybersecurity Essentials LFC108 ([The Linux Foundation](#))
- Understanding the OWASP® Top 10 Security Threats SKF100 ([The Linux Foundation](#))
- AWS Cloud Practitioner Essentials ([Coursera](#))
- Microsoft Azure Fundamentals (AZ-900) – Skill Track ([DataCamp](#))
- OpenShift 4 ([Kodekloud](#))
- FinOps Certified Practitioner ([Kodekloud](#))
- ISO/IEC 27001 – Dynamics of Information Security Management System, ISMS ([Alison CPD Certified](#))
- Big Data Engineer v2 Mastery Award (IBM)
- PSM I – Professional Scrum Master Training Certificate

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 Hammam 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	
Active Member	2018
Maker Labs ISTIC Borj Cederia Tunisia	
• Contributed to the design and assembly of robotic prototypes, earning top-3 placements in 5 national competitions.	

Languages

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