



Elagas Amel

DevOps and Cloud Infrastructure Engineer

lagas.amel@gmail.com
<https://elagasamel.github.io/>

Address: Sfax, Tunisia
+216 97 272 455

Results-driven DevOps and Cloud Infrastructure Engineer with extensive expertise in CI/CD pipelines, Infrastructure as Code (IaC), cloud security, and Mobile DevOps. Proven track record in automating deployments, implementing Shift-Left testing, and executing Blue-Green and Canary strategies for zero-downtime releases. Skilled in optimizing cloud operations, enhancing system reliability, and reducing costs through FinOps and best practices in cloud infrastructure management.

EDUCATION

National Engineer's Degree in Teleinformatics From 2019 to 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 Computer Science and Telecommunications From 2016 to 2019

Higher Institute of Information and Communication Technologies (ISTIC) Borj Cedria, Tunisia

Honors: Good | Class Rank: 1st

Diploma BlockChain

High School Diploma in Mathematics 2016

January 18th High School, Djebeniana Sfax, Tunisia

Graduated with Honors (Fair)

WORK EXPERIENCE

Cloud & DevOps Technical Lead Since October 2022

iMaxeam IBM Premier Business Partner Sousse, Tunisia

- Designed, implemented, and maintained high-performance **CI/CD** pipelines to ensure smooth and secure continuous delivery.
- Automated end-to-end CI/CD pipelines with **Jenkins** and **Fastlane**, improving release speed by **40%**.
- Automated mobile app deployment, reducing manual errors by **90%** and delivery time by **50%**.
- Deployed and automated the publishing of mobile applications to Google Play and Apple App Store.
- Identified and proactively resolved mobile app security vulnerabilities (permissions, APIs, local storage, etc.).
- Leveraged **AWS** services (**S3**, **Route 53**) for artifact storage and DNS management, enhancing deployment efficiency and system scalability.
- Implemented advanced monitoring and logging solutions to ensure system observability and reliability.
- Enforced cloud cost governance using **FinOps** practices: regular audits, service optimization, waste reduction, and ROI improvement.
- **Achieved a 30% reduction in cloud costs through FinOps practices and AWS cost optimization tools.**
- As Tech Lead, **owned project delivery end-to-end for SNB, KIDANA, and KAFD**, driving team alignment, ensuring system stability, and successfully stabilizing all projects.

Engineering Internship: Final Year Project From February 2022 to September 2022

iMaxeam IBM Premier Business Partner Sousse, Tunisia

- Implemented automated Infrastructure as Code (IaC) provisioning using Terraform for cloud environments.
- Modeled infrastructure as code with continuous testing and version control.
- Enabled on-demand deployment of reproducible, secure, and zero-downtime cloud environments.
- Developed an intuitive desktop application to automate AWS resource creation and destruction.
- Technologies: Terraform, AWS, ReactJS, Material UI, Node.js, ExpressJS, ElectronJS.

Technician Internship: Final Year Project From January 2019 to May 2019

ComunikCRM Menzeh 7, Tunisia

- Implemented a complete VoIP solution based on Asterisk with a secure VPN server.
- Installed, configured, and administered the Asterisk server for internal communications management.
- Developed a web application for system monitoring, including real-time call logs, statistics, and MP3 call recording downloads.
- Technologies used: Asterisk, OpenVPN, Linux, PHP, JavaScript, MySQL, Bootstrap, HTML, CSS.

Final Year Project Internship From July 2018 to August 2018

Tunisie Télécom CSC Sfax Elmedina Sfax, Tunisia

- Coordinated technical teams for FTTH GPON fiber optic connections; managed priorities and field follow-up.
- Supported implementation of standardized subscriber installation workflows with automated reporting and traceability.
- Monitored and resolved line incidents using log analysis and network diagnostics (physical & logical faults).
- Aided digital transformation of maintenance processes and structured ticket escalation via internal tools.

Entry-Level Internship From July 2017 to August 2017

Sabena Technics, Habib Bourguiba International Airport Monastir, Tunisia

- Introduction to professional work environment.

TECHNICAL SKILLS

Professional Skills :

Problem-solving, Critical thinking, Team leadership, Communication, Time management, Client-facing consulting

Cloud Provider :

AWS, GCP, EDARATCLOUD, Infomaniak, Azure

Infrastructure as a code :

Terraform, AWS SDK

CI/CD & Automatisation :

Fastlane, Jenkins, GitHub, Ansible, Shift-Left Testing

Build & Packaging Tools :

Gradle, Xcode, npm, Yarn

Web Server Configuration :

Nginx, OpenResty

Version Control tools :

Git, GitHub

Monitoring & Logging :

AWS CloudWatch, Grafana, Prometheus

Mobile DevOps :

Xcode Build, APK & IPA Export, App Store, Gradle, TestFlight, Blue-Green Deployments, Canary Releases

Security & Networking :

OpenVPN, Asterisk, TLS/SSL, IAM, VPC, Route 53, Firewall configuration, SSL Pinning, Let's Encrypt

Scripting :

Bash/Shell, Python, PowerShell

FinOps & Cloud Cost Optimization :

AWS Cost Explorer, FinOps practices (cost audits, rightsizing, budgeting)

Big Data Tools:

Hadoop, MapReduce, MongoDB

Back-End Development :

Node.js, Express.js, MongoDB, DynamoDB (serverless)

Front-End Development :

ReactJS, React-Bootstrap, Material UI, MUI, HTML/CSS, ElectronJS

PROJECTS

- **MAXapps Mobile Deployment & Support :**

Installed, configured, and upgraded MAXapps Mobile servers (Node.js, MongoDB, OpenResty) 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 (2022–2025).

- **Release & App Store Management :**

Managed full **mobile release cycles** with **Jenkins, Fastlane, and Xcode**, automating deployments to **Apple App Store** and **Google Play**, and leveraging **AWS S3/Route 53** for secure artifact storage, **cutting release time by 40% and improving reliability by 30%**.(2022-2025)

- **Terraform | AWS :**

Architected a serverless solution leveraging API Gateway, Lambda, and DynamoDB, automating deployment via Terraform.(2022)

- **Docker Compose Web App:**

Containerized web application using Docker Compose for scalable deployments.(2021)

- **Kubernetes (Minikube) :**

Troubleshoot Kubernetes pods and managed deployments using YAML and command-line approaches for reliable, efficient cluster operations. (2021)

- **MERN stack project :**

Implemented the "ISITCOM PFE LIBRARY" platform, enabling efficient report storage and simplified resource access for students.(2021)

- **IA & Android :**

Engineered an Android object detection system with TensorFlow Lite for efficient on-device processing.(2021)

- **Deep Learning :**

Developed ASL (American Sign Language) recognition system using deep learning.(2021)

- **RFID & IOT :**

Built an RFID-based student access system for university dormitories to improve security and entry management.(2021)

VOLUNTEER WORK

Team Leader	From October 2021 to December 2021
Competition: The Night of Computing 2021 ISITCOM Hammem Sousse	
Student volunteer	From January 2021 to June 2021
Club ISF Isitcom ISITCOM Hammem Sousse	
Restored old, non-functional PCs into working computers to donate to primary schools	
Team member	From January 2021 to June 2021
ISITCom IoT Developers Club ISITCOM Hammem Sousse	
Team member	From November 2019 to December 2019
Competition: The Night of Computing 2019 ISITCOM Hammem Sousse	
Active Member	2018
Maker Labes ISTIC Borj Cederia Tunisia	
Robotics Club	
First Aid	2017
Tunisian Red Cross Tunisia	

CERTIFICATIONS & TRAINING

- Big Data Engineer v2 Mastery Award for Students (IBM).
- Big Data Engineer Explorer Award for Students (IBM).
- HashiCorp Certified: Terraform Associate DevOps Masterclass ([Udemy](#)).
- AWS Cloud Practitioner Essentials ([Coursera](#)).
- Command Line in Linux ([Coursera](#)).
- PSM I – Professional Scrum Master Training Certificate



LANGUAGES

- Arabic**
Native
- French**
Fluent
- English**
Fluent

INTERESTS

- Hiking**
- Photography**
- Fitness**

SOCIAL NETWORKS

-  ELAGAS Amel
-  ELAGAS Amel