Elagas Amel
DevOps and Cloud Infrastructure Engineer

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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 — 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 Computer Science and Telecommunications — 2016 - 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 Oct. 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 — Feb. 2022 - Sept. 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.
- Built a ReactJS + ElectronJS desktop application to automate Terraform modules for AWS resource creation and destruction, reducing manual effort and human error.
- Technologies: Terraform, AWS, ReactJS, Material UI, Node.js, ExpressJS, ElectronJS.

Technician Internship: Final Year Project — Jan. 2019 - 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 — July 2018 - Aug. 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 — July 2017 - Aug. 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), r**educing 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) :**
  Troubleshot 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   Oct. 2021 - Dec. 2021
Competition: The Night of Computing 2021 ISITCOM Hammem Sousse

Student volunteer   Jan. 2021 - Jun. 2021
Club ISF Isitcom ISITCOM Hammem Sousse
Restored old, non-functional PCs into working computers to donate to primary schools

Team member   Jan. 2021 - Jun. 2021
ISITCom IoT Developers Club ISITCOM Hammem Sousse

Team member   Nov. 2019 - Dec. 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

in ELAGAS Amel

 ELAGAS Amel