

EYA MAKNI

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Languages: Arabic (Native) | French (C1) | English (B2) Availability: 4–6 month PFE internship from February/March 2027

PROFESSIONAL SUMMARY

Computer Networks and Telecommunications Engineering student at INSAT specializing in Cloud, DevOps and DevSecOps. Hands-on experience in CI/CD automation, containerization, Kubernetes, GitOps, Infrastructure as Code, IAM, security and observability, with a strong software engineering foundation.

EDUCATION

INSAT – National Institute of Applied Science and Technology Sep 2024 – Sep 2027 | Tunis, Tunisia
Computer Networks and Telecommunications Engineering Degree – Expected 2027
Relevant courses: Cloud Computing, Network Security, Software Engineering, Databases, Machine Learning, Networking and Communication Protocols.

INSAT, Preparatory Cycle Sep 2022 – Jun 2024 | Tunis, Tunisia
Relevant courses: Mathematics, Physics, Algorithms, Data Structures and Programming.

PROFESSIONAL EXPERIENCE

Teamwill Tunisia – Software Engineering & DevSecOps Intern Jul 2026 – Sep 2026
CreditFlow – Secure Cloud-Native Credit Management & Decision Platform

- Developed a **3-tier** application with FastAPI, React, and PostgreSQL and containerized its backend, frontend, and database workloads for automated delivery
- Engineered an **11-stage** GitLab CI/CD and DevSecOps pipeline with SonarQube, Semgrep, Gitleaks, Trivy, SBOM, and OWASP ZAP; addressed **4 blocking SAST findings** during security hardening
- Secured and deployed the platform on Kubernetes with Helm, Argo CD, Keycloak, OpenLDAP, OAuth 2.0/OIDC, SSO, MFA, and RBAC across **3 business roles**; validated HPA scaling from **1 to 3 replicas** at a **60% utilization target** and implemented monitoring, logging, and alerting with Prometheus, Grafana, Alertmanager, Loki, and Promtail

INNOV-ALLIANCE-TECH (IAT) – Full-Stack Developer Intern Jul 2025 – Aug 2025
INSAT Classroom – Role-Based Virtual Learning Platform

- Designed and developed a full-stack virtual learning platform using Angular, Node.js, Express, and MongoDB across **3 user roles**: administrator, teacher, and student
- Built REST APIs and backend services covering **4 core modules**: users, courses, assignments, and virtual sessions, secured with JWT-based authentication and role-based authorization
- Integrated Zoom API/SDK for real-time video conferencing, session scheduling, and external service integration.

TECHNICAL PROJECTS

End-to-End DevSecOps Pipeline

- Provisioned cloud infrastructure with Terraform and automated configuration, security scanning, containerization, and deployment through a complete CI/CD workflow.
- Stack:** Jenkins, Docker, Terraform, AWS, Ansible, SonarQube, Trivy, Prometheus, Grafana.

DevSecOps Observability Platform

- Deployed a Kubernetes-based microservices application with automated CI/CD, end-to-end observability, distributed tracing, and Service Level Indicators (SLIs) with Service Level Objectives (SLOs) to track reliability and performance targets.
- Stack:** GitHub Actions, Kubernetes, OpenTelemetry, Prometheus, Grafana, Jaeger.

Cloud-Native Open Banking API Platform

- Designed a Kubernetes-based Open Banking platform with federated API governance across WSO2 API Manager, Kong Gateway, and Envoy Gateway, including secure API routing and observability.
- Stack:** WSO2 API Manager, Kong Gateway, Envoy Gateway, Kubernetes, FastAPI, PostgreSQL, Moesif, Elasticsearch, Logstash, Kibana.

TECHNICAL SKILLS

- Cloud & DevOps:** Docker, Kubernetes, Helm, Argo CD, GitLab CI/CD, GitHub Actions, Jenkins, Terraform, Ansible, Git
- Systems & Networking:** Linux, Bash, TCP/IP, DNS, HTTP/HTTPS, TLS, Reverse Proxy
- Security & DevSecOps:** SonarQube, Semgrep, Trivy, Gitleaks, OWASP ZAP, SAST, SBOM, OPA Gatekeeper, firewallld
- IAM & Access Management:** Keycloak, OpenLDAP, OAuth 2.0, OpenID Connect, MFA, RBAC, SSO
- Observability:** Prometheus, Grafana, Loki, Promtail, OpenTelemetry, Alertmanager, Jaeger
- API Management & Gateways:** WSO2 API Manager, Kong Gateway, Envoy Gateway, REST APIs, OpenAPI
- Programming & Backend:** Python, Java, JavaScript, TypeScript, SQL, FastAPI, NestJS, Node.js, Spring Boot
- Web & Databases:** Angular, React, PostgreSQL, MongoDB, MySQL

LEADERSHIP & VOLUNTEERING

- IEEE TSYP 14 – Co-Webmaster (2026):** developed and maintained official event websites and digital platforms
- IEEE RAS INSAT Student Branch Chapter – Vice Chair, Membership Activities (2024–2025):** led **30+ members**; contributed to a Worldwide Best RAS Chapter award and **2x** Best RAS SBC in Tunisia; introduced the NXP CUP to Tunisia