

A DUDE

| dude@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

One of the top engineering schools in Tunisia

Engineering Degree, Computer Science

Tunis, Tunisia

2023 – 2027

EXPERIENCE

Platform/DevSecOps Engineer

Aug 2025 – Present

A startup

Tunis, Tunisia

- Worked closely with clients in the European insurance and energy sectors to design, deploy and manage large-scale Kubernetes and cloud infrastructures across AWS and hybrid environments.
- Engineered k6 stress testing (baseline, spike, soak, break point) and chaos engineering scenarios for Kubernetes-deployed auth and banking payment services, identified HPA scaling lag and two endpoints memory leak under endurance load, reducing p99 latency by 60%, and ensuring SLA compliance at peak traffic.
- Supported the company and its clients in securing their kubernetes infrastructure (cloud and on-premises), contributing to successful ISO 27001 and ISO 27002 compliance audits.
- Built Python Lambdas spanning EKS node group lifecycle automation and AWS-wide compliance auto-remediation, achieving 30% EC2 cost reduction and faster drift resolution.
- Managed medium-sized (45 virtual machines) KVM infrastructure with proxmox, ensuring complete observability, backup and patching.

Backend/DevOps Engineer Intern

Jun 2025 – Aug 2025

A startup

Tunis, Tunisia

- Modernized internal CI/CD pipelines by migrating GitLab runners to Kubernetes and implementing rootless container builds, significantly optimizing resource utilization, security, and delivery speed.
- Led DevSecOps adoption by embedding security controls (SAST,DAST,Secrets Scanning...) across CI/CD pipelines.
- Wrote 2 Golang based microservices for the company's main solution , ensuring reliable unit, e2e and integration testing.

PROJECTS

Challenges Platform | *Kubernetes, Golang, Kubebuilder, TypeScript, Prometheus, NGINX Ingress* [[Demo Video](#)]

- Developed kubernetes operators that allows users to create challenges , contained in pods or virtual clusters.
- Provided users with access to isolated environments via a web-based shell.

RbacController | *Kubernetes, Golang, Kubebuilder* [[GitHub Repo](#)]

- Developed a Kubernetes operator to automate RBAC management at scale across multiple namespaces using a CRD.
- Automated the lifecycle of ServiceAccounts, RoleBindings, and ClusterRoleBindings, reducing manual configurations.

Kube-Foren | *Kubernetes, Golang, Kubebuilder* [[GitHub Repo](#)]

- Developed a Kubernetes operator to automate container checkpointing for digital forensics use cases.
- Provided users with the option to upload checkpoints to remote object storage for later analysis.

CERTIFICATES

Certified Kubernetes Administrator (CKA) • AWS Solutions Architect – Associate • AWS Developer – Associate

SKILLS

Cloud & Infrastructure: AWS, Azure, Terraform, Ansible, KVM, Proxmox

Container & Orchestration: Kubernetes, Helm, Docker, Firecracker, Kustomize, Operators

CI/CD & GitOps: GitLab CI, GitHub Actions, ArgoCD

Observability & Monitoring: Prometheus, Grafana, Loki, Datadog, OpenTelemetry

Databases & Storage: PostgreSQL, MySQL, MongoDB, Redis, S3