

Mohamed Ali Mellah

Cloud-Native & Kubernetes Engineer · DevSecOps Practitioner

Top 2% Ranked, TryHackMe

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About Me

Cloud-native and Kubernetes specialist with expertise in designing, deploying and managing Kubernetes clusters, containerization and microservices architecture. Hands-on experience in cloud architecture, deployment automation and infrastructure as code, with additional skills in Go programming and DevOps practice.

Notable

2025-2026	Global 1st Prize, Huawei ICT Competition, Computing Track (Shenzhen, China): won after topping Tunisia's National Final and the MENA Regional Final
2026	International Speaker, ContainerDays Hamburg 2026: <i>"How Clusters Fail Under Attack and How We Detect It at Runtime with eBPF Signals"</i>
2026	International Speaker, Cloud Identity Summit (Frankfurt, 3 Nov 2026): <i>"Your CI/CD Pipeline Is Over-Privileged: Identity Risks in Modern Cloud Platforms"</i>
2023	National Winner, Huawei ICT Competition, Network Track, Tunisia
2019 - 2025	Hackathons & Leadership: winner of multiple university hackathons and technical competitions; held leadership positions in university clubs and organizations

Experience

Nov 2025-May 2026	DevSecOps / Cloud Engineering Intern • Built a production-style Kubernetes DevSecOps platform on AWS, using infrastructure as code, automated CI/CD, GitOps deployment, integrated security controls and observability	NoLimits Embedded
2022-May 2025	Freelance DevSecOps Engineer • Delivered DevOps, cloud, and security solutions for 15+ clients; optimized 10+ CI/CD pipelines, cutting release times by 30% • Led 2 Azure Hybrid Cloud migrations across dev, pre-prod, and production environments • Deployed and administered a monitoring stack (Grafana, Prometheus, Elasticsearch), improving observability by 40% • Maintained 95% SLA resolution on support tickets while producing full documentation and runbooks	Tunis, Tunisia
Jul-Aug 2024	Systems Administration Intern • Two-month internship focused on RHCSA, RHCE and Kubernetes training, resulting in practical experience with Linux and container management	TEK-UP University
Jul-Sep 2023	Software Engineering Intern • Developed backend features for a real estate website (NodeJS, MySQL), increasing transaction speed by 20% • Designed and executed deployment strategies on AWS using Terraform, Ansible and Jenkins, reducing manual deployments by 50%	Taskin Enterprise
2020 - 2022	4 More Earlier Internships <i>Blue IT (6 months) · Tunisia's National Post (2 months) · Tunisie Telecom (2 months) · SOFIA Technology (2 months)</i> • Network security, infrastructure and IT support internships (VPN/OSPF routing, secure Wi-Fi deployment, server room operations); early foundation in systems and networking before moving into software and DevOps	

Technical Skills

Infrastructure & Cloud	AWS Azure GCP Unix/Linux Windows Server VMware OpenStack Proxmox
DevOps & Platform Engineering	Git GitLab Jenkins Docker Kubernetes K8s Operators OpenShift/OKD Helm Kustomize GitOps ArgoCD Terraform Ansible Puppet Chef HashiCorp Vault Nexus Vagrant npm
Cloud-Native Security	Kyverno Falco Trivy Snyk OWASP ZAP SonarQube Splunk Wazuh TheHive Suricata AlienVault Nessus pfSense AWS IAM/WAF Azure AD Okta
Monitoring & Logging	Grafana Prometheus ELK Stack Zabbix Datadog NodeExporter Nagios Wireshark

Networking

VLAN Routing DNS DHCP VPN BGP OSPF

Documentation & Reporting

LaTeX MS Word PowerPoint Excel

Languages & Scripting

Python Go C Java Bash PowerShell SQL YAML HCL Jsonnet

Professional Certificates

- Red Hat Certified System Administrator (RHCSA)
 - Certified Kubernetes Administrator (CKA)
 - Certified Kubernetes Application Developer (CKAD)
 - AWS Certified Cloud Practitioner (AWS CCP)
 - eLearnSecurity Junior Penetration Tester (eJPT)
- Cisco Network Security
 - Cisco DevNet Associate
 - Cisco Routing & Switching
 - Certified Kubernetes Security Specialist (CKS), sitting exam soon

Next goal: Kubestronaut title, all five Kubernetes certifications by the end of the next trimester.

Education

2024–2026	Exchange Program, Computer Science	Philipps-Universität Marburg / Hochschule Schmalkalden, Germany
2022–June 2026	Engineering Degree, Networks and Systems Security	TEK-UP University, Tunisia
2019–June 2022	License Degree, Networks and Systems Administration (ISET Radès), Tunisia	Higher Institute of Technological Studies of Radès

Languages

English	C1+, certified via onSET Exam
French	B2+
German	A2 (currently learning)
Arabic	Native

Interests

Sports · Technology & Computing · Traveling · Community Service · Hackathons