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PROFILE

DevOps Engineer specializing in **AWS**, **Terraform**, **Kubernetes**, **GitOps**, and **CI/CD**. Architected and documented cloud platforms for 10+ local and international clients and currently managing infrastructure for the startup Tal9i7 as a freelancer. Holder of renowned certifications and recognized for **teamwork**, **problem solving**, and a **growth mindset**.

PROFESSIONAL EXPERIENCE

DevOps Engineer (Freelance) - Tal9i7   September 2024 – Present │ Remote, Tunisia
- Collaborating with a small team to operate AWS development, staging, and production environments defined with Terraform.
- Introduced cost controls using EventBridge and Lambda, including off-hours shutdowns, backups, and log retention, reducing monthly costs by **45%**.
- Configured monitoring and incident notifications with CloudWatch metrics and logs, SNS, and external uptime checks.
- Documented runbooks, architecture diagrams, and handover notes.

DevOps Engineer (Intern) - Vermeg, End of Studies Internship   February 2024 – August 2024 │ Lac 1, Tunisia
- Developed a deployment framework using Ansible, Jenkins, and OpenShift, reducing release times by **55%** for applications on WildFly and WebSphere.
- Orchestrated environment-specific delivery pipelines with integrated testing (Selenium, Cucumber), speeding up iterations.
- Scripted provisioning workflows for PostgreSQL and Oracle, improving infrastructure consistency across deployments.

DevOps Engineer (Intern) - Vermeg, Summer Internship   July 2023 – October 2023 │ Lac 1, Tunisia
- Built a messaging application with ActiveMQ, deployed using GitOps pipelines via Argo CD and Helm on Kubernetes with KEDA, ensuring autoscaling and resilient operations under traffic spikes.
- Integrated Prometheus and Grafana to enable proactive health monitoring, cutting system downtime by approximately **40%**.
- Streamlined build processes and deployment pipelines to reduce human errors, achieving a **15%** drop in manual release issues.

Full Stack Developer (Intern) - BNA, Summer Internship   July 2022 – September 2022 │ Tunis, Tunisia
- Delivered an online banking solution enabling instant financial transactions and improved digital service accessibility.

PROJECTS

KubleOps - Cloud-Native DevOps Platform on AWS 🔗
- Built a modular EKS platform in Terraform with a multi-AZ VPC, dual NAT gateways, an optional bastion host, and toggleable VPC endpoints.
- Set up GitOps CI/CD with CircleCI, Argo CD, Trivy, and Amazon ECR for automated Helm deployments.
- Provisioned AWS Load Balancer Controller, ExternalDNS, Prometheus, Grafana, and Argo CD via an EC2 bootstrap script.
- Enforced Pod Security Admission and NetworkPolicies, configured HPAs and PDBs, and added Karpenter for right-sized autoscaling.

EcoAuto - Cost-Effective Web Hosting Architecture on AWS 🔗
- Designed an AWS-based architecture incorporating EC2, ASG, RDS, S3, and CloudFront.
- Automated infrastructure provisioning using Terraform and GitLab CI.
- Established event-driven workflows via Lambda and EventBridge to handle real-time security group updates and DNS automation.

Cloud Resume Challenge (AWS) 🔗
- Created a serverless portfolio on AWS with Terraform using S3, CloudFront, API Gateway, Route 53, and ACM.
- Implemented CI-driven deployments with GitHub Actions, including Lambda tests and cache invalidation.
- Monitored traffic with CloudWatch, integrating SNS alerts for system failures and usage thresholds.

EDUCATION

ESPRIT (École Supérieure Privée d'Ingénierie et de Technologies)   2021 – 2024

Preparatory Institute for Engineering Studies of Tunis   2019 – 2021

SKILLS

- **Cloud Infrastructure:**
OpenStack, Microsoft Azure, AWS

- **Continuous Integration and Delivery:**
Jenkins, GitHub Actions, GitLab CI, CircleCI, Argo CD, SonarQube, Nexus, Trivy

- **Databases:**
PostgreSQL, Oracle SQL, MySQL, MongoDB

- **Containerization and Orchestration:**
Kubernetes, OpenShift, Docker, Docker Compose, Helm

- **Automation and Configuration:**
Python, Bash, Shell Scripting, Ansible, Terraform, KEDA

- **Application Servers:**
WebSphere, WildFly

- **Version Control & Collaboration:**
Git, GitHub, GitLab, Jira

- **Monitoring and Logging:**
Prometheus, Grafana, ELK Stack

- **Operating Systems:**
CentOS, Ubuntu, RHEL, Amazon Linux

CERTIFICATES

Certified Kubernetes Administrator 🔗 │ AWS Certified Solutions Architect - Associate 🔗 │ Terraform Associate (003) 🔗 │
Microsoft Azure Fundamentals 🔗 │ AWS Certified Cloud Practitioner 🔗 │ Cisco Network Security 🔗

LANGUAGES

- English: B2   • French: B2   • Spanish: A2