







Ben Nacib Firas

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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 Consultant (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 InternshipFebruary 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 InternshipJuly 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 InternshipJuly 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

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| <ul style="list-style-type: none">Cloud Infrastructure: OpenStack, Microsoft Azure, AWSContinuous Integration and Delivery: Jenkins, GitHub Actions, GitLab CI, CircleCI, Argo CD, SonarQube, Nexus, TrivyDatabases: PostgreSQL, Oracle SQL, MySQL, MongoDB | <ul style="list-style-type: none">Containerization and Orchestration: Kubernetes, OpenShift, Docker, Docker Compose, HelmAutomation and Configuration: Python, Bash, Shell Scripting, Ansible, Terraform, KEDAApplication Servers: WebSphere, WildFly | <ul style="list-style-type: none">Version Control & Collaboration: Git, GitHub, GitLab, JiraMonitoring and Logging: Prometheus, Grafana, ELK StackLinux Distributions: CentOS, Ubuntu, RHEL, Amazon Linux |
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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