

# Firas Ben Nacib

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## EXPERIENCE

### Tal9i7 - Tunis, Tunisia

#### DevOps Engineer (Freelance)

Sep 2024 – Present

- Collaborated in a team of 5 to operate AWS environments managed with Terraform, automating deployments to reduce drift.
- Introduced cost controls using EventBridge and Lambda (off-hours shutdowns, backups, log retention), reducing monthly costs by 45%.
- Configured monitoring and incident notifications with CloudWatch metrics/logs, SNS, and external uptime checks.

### Vermeg - Lac 1, Tunisia

#### DevOps Engineer Intern (End-of-studies internship)

Feb 2024 – Aug 2024

- Developed a deployment workflow using Ansible, Jenkins, and OpenShift, reducing release times by 60%.
- Orchestrated multi-branch pipelines with integrated testing (Selenium, Cucumber), speeding up iterations.
- Scripted provisioning workflows for PostgreSQL and Oracle, improving infrastructure consistency across deployments.

#### DevOps Engineer Intern (Summer internship)

Jul 2023 – Oct 2023

- Built a messaging application with ActiveMQ, deployed using GitOps pipelines via Argo CD and Helm on Kubernetes with KEDA.
- Added metrics, dashboards, and alerting with Prometheus and Grafana, reducing downtime by 40%.
- Operated Jenkins pipelines, reducing manual release errors by 30%.

## EDUCATION

### ESPRIT (École Supérieure Privée d'Ingénierie et de Technologies)

2021 – 2024

Engineering degree in Cloud Computing and IT Architecture

### Preparatory Institute for Engineering Studies of Tunis

2019 – 2021

## SKILLS

**Cloud Platforms:** Amazon Web Services (AWS), OpenStack, Microsoft Azure

**Infrastructure as Code (IaC):** Terraform, Ansible

**Containers & Orchestration:** Kubernetes, OpenShift, Docker, Docker Compose, Helm, KEDA, Karpenter

**Observability:** Prometheus, Grafana, ELK Stack, CloudWatch

**Networking & Service Mesh:** Istio, Cilium, Traefik, Ingress, DNS, Load Balancing

**Security:** HashiCorp Vault, Falco

**Languages & Scripting:** Python, Bash, PowerShell

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

**Operating Systems:** Linux (Ubuntu, CentOS, RHEL, Amazon Linux, Talos Linux)

**CI/CD & DevOps Tooling:** GitLab CI, GitHub Actions, Jenkins, CircleCI, Argo CD, SonarQube, Nexus, Trivy

## CERTIFICATIONS

**Kubestronaut:** [CKS](#), [CKA](#), [CKAD](#), [KCSA](#), [KCNA](#)

**Cloud Certifications:** [Terraform Associate](#), [AWS Certified Solutions Architect – Associate](#), [Microsoft Azure Fundamentals](#), [AWS Certified Cloud Practitioner](#)

## PROJECTS

### [Talos-HyperV-Bootstrap & k3s-Cluster-Setup](#) | PowerShell, Kubernetes, Talos Linux, k3s - [DEMOS](#)

- Built interactive PowerShell tooling to bootstrap Kubernetes clusters on Talos Linux (Hyper-V) and k3s (Multipass).
- Automated cluster lifecycle operations and kubeconfig handling to simplify multi-cluster context switching.

### [KubleOps](#) | Terraform, AWS (EKS, VPC, ECR), Argo CD, Helm, Karpenter

- Built a modular Terraform EKS platform (multi-AZ VPC, private API, configurable NAT, optional bastion, VPC endpoints).
- Implemented GitOps delivery with Argo CD + Helm, including image scanning and ECR integration.
- Automated bootstrap for ingress, DNS, observability, and Kubernetes guardrails (Pod Security, NetworkPolicies, HPA/PDB, autoscaling with Karpenter).

### [EcoAuto](#) | Terraform, GitLab CI, AWS (EC2, ASG, RDS, S3, Route 53, CloudWatch)

- Designed a cost-effective hosting architecture with autoscaling compute, managed database, CDN, and monitoring.
- Automated provisioning with Terraform + GitLab CI and added event-driven automation with Lambda + EventBridge (security group and DNS workflows).
- Optimized delivery using CloudFront with Lambda@Edge for dynamic routing.

### [Cloud Resume Challenge \(AWS\)](#) | Terraform, AWS, GitHub Actions - [LIVE](#)

- Built a serverless portfolio on AWS fully provisioned with Terraform.
- Implemented CI/CD with GitHub Actions (tests + cache invalidation) and added monitoring/alerts with CloudWatch and SNS.

## LANGUAGES

• **Arabic:** Native

• **English:** B2

• **French:** B2