

# 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 Terraform EKS platform: multi-AZ VPC, private API, configurable NAT, optional bastion, and VPC endpoints.
  - Set up GitOps CI/CD for automated Helm deployments with image scanning and ECR.
  - Provisioned ingress, DNS, and observability via an automated bootstrap.
  - Enforced security and reliability with workload identity, Pod Security, NetworkPolicies, HPAs, PDBs, and Karpenter for right-sized autoscaling.
- EcoAuto - Cost-Effective Web Hosting Architecture on AWS**
  - Designed an AWS architecture with EC2 Auto Scaling, RDS, S3 static hosting, CloudFront, Route 53, and CloudWatch.
  - 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.
  - Optimized delivery with S3, CloudFront, and Lambda@Edge for dynamic origin routing.
- Cloud Resume Challenge (AWS)**
  - Created a serverless portfolio on AWS with Terraform using S3, CloudFront, API Gateway, Route 53, ACM, Lambda, and DynamoDB.
  - Implemented CI 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
- Linux Distributions:**  
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