

Firas Ben Nacib

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PROFESSIONAL EXPERIENCE

- DevOps Engineer (Freelance) - Tal9i7

Sep 2024 – Present | Remote, Tunisia

 - Collaborating with a small team to operate multiple AWS 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.
- DevOps Engineer (Intern) - Vermeg, End of Studies Internship

Feb 2024 – Aug 2024 | Lac 1, Tunisia

 - Developed a deployment framework using Ansible, Jenkins, and OpenShift, reducing release times by **55%**.
 - 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) - Vermeg, Summer Internship

Jul 2023 – Oct 2023 | Lac 1, Tunisia

 - Built a messaging application with ActiveMQ, deployed using GitOps pipelines via Argo CD and Helm on Kubernetes with KEDA.
 - Integrated Prometheus and Grafana to enable proactive health monitoring, cutting system downtime by approximately **40%**.
 - Operated Jenkins pipelines, reducing manual release errors by **15%**.
- Full Stack Developer (Intern) - BNA, Summer Internship

Jul 2022 – Sep 2022 | Tunis, Tunisia

 - Delivered an online banking solution enabling instant financial transactions and improved digital service accessibility.

PROJECTS

- Talos-HyperV-Bootstrap

 - Crafted an interactive PowerShell script for creating and bootstrapping Kubernetes clusters on Talos Linux with Hyper-V. [Demo](#)
- KubleOps - Cloud-Native DevOps Platform on AWS

 - Built a modular Terraform EKS platform with 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 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

- Programming / Languages:

Python, Java, JavaScript, SQL, Bash, PowerShell, Groovy, YAML, HTML, CSS
- Version Control & Collaboration:

Git, GitHub, GitLab, Jira
- Monitoring and Logging:

Prometheus, Grafana, ELK Stack
- Virtualization:

VMware, VirtualBox, Hyper-V, Vagrant, Multipass
- 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, KEDA
- Automation and Configuration:

Terraform, Ansible
- Linux Distributions:

CentOS, Ubuntu, RHEL, Amazon Linux, Talos 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