Ben Nacib Firas

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PROFESSIONAL EXPERIENCE

DevOps Intern - Vermeg, End of Studies Internship   February 2024 – August 2024 │ Lac 1, Tunisia
- Engineered an enterprise-grade 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 and reinforcing release confidence.
- Scripted provisioning workflows for PostgreSQL and Oracle, improving infrastructure consistency across deployments.

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

Full Stack Developer - BNA, Summer Internship   July 2022 – September 2022 │ Tunis, Tunisia
- Developed an online banking platform enabling instant financial transactions and improved digital service accessibility.
- Enhanced user experience with live account synchronization across branch networks, contributing to smoother customer interactions.

PROJECTS

EcoAuto - Cost-Effective Web Hosting Architecture on AWS 🔗
- Designed a reusable and scalable AWS-based architecture used to host projects like **Tal9i7.tn** 🔗 **,** incorporating EC2, ASG, RDS, S3, CloudFront, and Lambda@Edge.
- Automated infrastructure provisioning using Terraform and GitLab CI.
- Configured event-driven workflows via Lambda and EventBridge to handle real-time security group updates and DNS automation.
- Achieved 45% cost savings through efficient scaling, lifecycle scheduling, and rightsizing techniques.

Cloud Resume Challenge (AWS) 🔗
- Created a fully serverless portfolio site using S3, CloudFront, Lambda, and API Gateway, cutting hosting costs to <$1/month.
- Implemented CI-driven deployments with GitHub Actions, including Lambda tests and cache invalidation.
- Defined infrastructure using 100% modular Terraform code for clean, versioned IAC workflows.
- 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

Baccalaureate in Experimental Sciences, Institution Laghmani   2019

SKILLS

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

- **Continuous Integration and Delivery:**
Jenkins, GitHub Actions, GitLab CI, 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 🔗
- Microsoft Azure Fundamentals 🔗
- AWS Certified Cloud Practitioner 🔗

LANGUAGES

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