



Ben Nacib Firas

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PROFESSIONAL EXPERIENCE

- DevOps Intern – Vermeg**, End of Studies Internship02/2024 – 08/2024 | Lac 1, Tunisia
 - Delivered an automation platform accelerating enterprise software deployment by 42%, streamlining processes and enhancing efficiency.
 - Conceptualized and implemented a multi-environment CI/CD pipeline using a multibranch approach, boosting delivery speed by 37%.
 - Applied comprehensive automated testing strategies, reducing validation time by 20% and enhancing application stability by 15%.
- DevOps Intern – Vermeg**, Summer Internship07/2023 – 10/2023 | Lac 1, Tunisia
 - Optimized CI/CD pipelines to achieve a 15% reduction in manual errors, significantly improving the efficiency of the software delivery lifecycle.
 - Strengthened system reliability by optimizing real-time monitoring, resulting in 40% less downtime.
- Full Stack Developer – BNA**, Summer Internship07/2022 – 09/2022 | Tunis, Tunisia
 - Developed an online banking solution, enabling seamless real-time financial transactions for users.
 - Improved user satisfaction through real-time account updates across branch networks, delivering a seamless banking experience.

PROJECTS

- Cloud Resume Challenge – AWS Edition**
 - Built a serverless resume site using S3, CloudFront, API Gateway, Lambda, and DynamoDB, cutting hosting costs to <\$1/month.
 - Automated deployments via GitHub Actions with CloudFront cache invalidation and Lambda testing.
 - Defined infrastructure using 100% modular Terraform code for reusability.
 - Tracked visitor count in real time and set up CloudWatch metrics with SNS alerts for failures and costs.
- Tal9i7.tn – Cost-Effective Web Hosting Architecture on AWS**
 - Architected and deployed a highly available, cost-efficient infrastructure on AWS to host Tal9i7.tn, utilizing EC2 (Launch Templates, ASG), RDS, S3, CloudFront, Route 53, ACM, IAM, and Lambda@Edge.
 - Automated infrastructure provisioning using Terraform and GitLab CI.
 - Built a CI/CD pipeline with Jenkins, integrating SonarQube, Nexus, and Docker Buildx for multi-platform image deployment.
 - Developed serverless automation with Lambda and EventBridge for real-time security group updates, resource scheduling, and CloudFront/DNS updates.
 - Achieved 45 % cost savings through intelligent resource scaling, scheduling, and infrastructure optimization.
- Release Automation – Automated Deployment Platform at Vermeg**
 - Engineered a robust release platform to streamline enterprise application deployments on WildFly and IBM WebSphere servers.
 - Orchestrated workflows with Ansible for efficient package retrieval, installation, and configuration.
 - Built and refined CI/CD pipelines with Jenkins, incorporating OpenShift for scalable deployment.
 - Simplified database preparation processes with PostgreSQL and Oracle scripting.
 - Ensured quality through comprehensive testing using Selenium and Cucumber.
- OptiChat – Scalable Messaging System at Vermeg**
 - Achieved reliable performance during peak loads by leveraging KEDA for automatic scaling in a scalable messaging application.
 - Developed CI/CD workflows using Jenkins and coordinated seamless deployments with Argo CD and Helm.
 - Monitored system responsiveness with Prometheus and Grafana, utilized alerts to enable intelligent resource scaling.

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:**
Ansible, Shell Scripting, 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

- AWS Certified Solutions Architect – Associate**
- AWS Certified Cloud Practitioner**
- Microsoft Azure Fundamentals**
- Cisco Network Security**

LANGUAGES

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

ORGANIZATIONS

- Graphic Designer at Bmovie**2022 – 2023
- Member of the IEEE Club**2021 – 2022