Ben Nacib Firas

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PROFESSIONAL EXPERIENCE

DevOps Intern - Vermeg, End of Studies Internship   02/2024 – 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 Internship   07/2023 – 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 Internship   07/2022 – 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