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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

- KubleOps - Cloud-Native DevOps Platform on AWS**
 - Built a modular EKS platform with a multi-AZ VPC, private/public subnets, dual NAT gateways, an optional bastion host, and toggleable VPC endpoints.
 - Set up GitOps CI/CD with CircleCI, Argo CD, and Amazon ECR for automated Helm deployments.
 - Provisioned AWS Load Balancer Controller, ExternalDNS, Prometheus, Grafana, and Argo CD via an EC2 bootstrap script.
 - Enabled secure service access with IRSA, OIDC, and IAM roles, enforced Pod Security Admission and NetworkPolicies, configured HPAs and PDBs, and added Karpenter for right-sized autoscaling.
 - Integrated Trivy for container security and Fluent Bit with CloudWatch for centralized logging.
- 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

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| <ul style="list-style-type: none">Cloud Infrastructure:
OpenStack, Microsoft Azure, AWSContinuous Integration and Delivery:
Jenkins, GitHub Actions, GitLab CI, Argo CD, SonarQube, Nexus, TrivyDatabases:
PostgreSQL, Oracle SQL, MySQL, MongoDB | <ul style="list-style-type: none">Containerization and Orchestration:
Kubernetes, OpenShift, Docker, Docker Compose, HelmAutomation and Configuration:
Python, Bash, Shell Scripting, Ansible, Terraform, KedaApplication Servers:
WebSphere, WildFly | <ul style="list-style-type: none">Version Control & Collaboration:
Git, GitHub, GitLab, CircleCi, JiraMonitoring and Logging:
Prometheus, Grafana, ELK StackOperating Systems:
CentOS, Ubuntu, RHEL, Amazon Linux |
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CERTIFICATES

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| • Certified Kubernetes Administrator | • AWS Certified Solutions Architect - Associate | • Microsoft Azure Fundamentals | • AWS Certified Cloud Practitioner |
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LANGUAGES

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| • English: B2 | • French: B2 | • Spanish: A2 |
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