



NASSREDINE WESLETI

System&Cloud Engineer | DevOps

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Profile

System and Cloud Engineer Specialist with 1+ years of experience in designing, deploying, and optimizing cloud services and system maintenance. Skilled in developing and executing cloud strategies, product campaigns, and DevOps practices, while staying current with industry trends and best practices. Adept at driving production efficiency, fostering collaboration, and improving performance metrics to achieve business goals.

Experience

Cloud DevOps Engineer

08/2024 - Present

DATABIZ • IT System Custom Software Development -Belvédère

- Implemented Terraform modules to migrate infrastructure from OVH to AWS.
- Implemented Hub-and-Spoke Model with AWS Transit Gateway.
- Developed a GitLab CI/CD pipeline to deploy a secure three-tier architecture, ensuring robust security measures and compliance.
- Utilized AWS services including:
- CloudFront for CDN
- ECS for containerization
- S3 for storing static content and deploying websites /logs
- DynamoDB for logging
- MariaDB for data storage
- WAF for web application security
- AWS Systems Manager Parameter Store for secure management of configuration data
- Utilized Redmine for effective project management, facilitating collaboration and tracking progress throughout the project.

Cloud Engineer / DevOps / MLOps

07/2023 - 08/2024

UBIAI - Développement de logiciels NLP tools

- Built, maintained, and deployed features of applications with modular architecture (<https://ubiai.tools>) and microservice architecture (<https://kudra.ai>), ensuring scalability.
- Improved prediction service time from 1 minute to 0.2 seconds. Reduced CPU and memory usage by configuring Docker runtime to NVIDIA for resource-intensive services.
- Established workflows for image deployment, ensuring security and fostering collaboration using Jira Software, GitHub Actions, and SonarQube.
- Deployed advanced ML models in production environments (cloud/on-premises) and integrated GCP and Azure AI services (Document AI, Azure Cognitive Services).
- Cloud/Infrastructure: AWS (Lambda, ECR, ECS, EC2, SageMaker, IAM, EFS, ALB, KMS, SSM, S3, Cloud Map), Linux (Ubuntu, CentOS). Set up Grafana and Prometheus to monitor and analyze service resource consumption and health checks to ensure optimal autoscaling and improve billing reports.
- Implemented S3 resource URI encryption using CloudFront for CDN and SSM for key storage.
- Supported clients in deploying and reactivating on-premises products, ensuring security requirements and resolving related issues.
- Large Language Models (LLMs): GPT, MISTRAL, Gemini.
- Conducted penetration tests for UBIAI and KUDRA using Burp Suite Pro and OpenVAS scans.
- Worked on implementing various components to ensure compliance with SOC 2 Type 2 standards.

Software Engineer / Microservices

01/2023 - 05/2023

HRSTUNISIE SWIFT Field-BusinessSolutions • Megrin, Ben Arrous

- Acquired knowledge of microservices through the implementation of the 'SkillUp' interactive Learning Management System (LMS).
- Gained experience with Java/AngularJS, Spring Framework, Spring Boot, Spring Cloud, and microservices architecture.
- Implemented the Spring Data MongoDB Repository sub-module for efficient data manipulation within the cluster
- Worked with various data types, including XML, JSON, and plain text, optimizing data load and dividing tasks in processing using RESTful APIs to communicate with multiple systems.
- Utilized RabbitMQ to divide and process large volumes of data, assessing the time needed and data accuracy of the LMS.
- Optimized containerization and service deployment using Docker, ensuring scalability and seamless integration of microservices.
- Adhered to security best practices by implementing measures to prevent Cross-Site Scripting (XSS) and Cross-Site Request Forgery (CSRF) attacks, adding Content Security Policy (CSP) headers, and enforcing MIME type restrictions.
- Used Checkstyle to enforce coding conventions, including naming, and to avoid potential errors.

Skills

Communication ,Time management, Customer service, Documentation review ,System administration ,Cloud Developer , Cloud DevOps ,

- **Programming Languages:** Java /JEE | Python | SQL / PL/SQL | JavaScript | Typescript
- **Frameworks and Libraries:** Spring , Angular ,Django
- **Databases and Data Stores:** MySQL | PostgreSQL | MongoDB | Redis | Microsoft SQL Server
- **Ci/CT/CD :** Maven | Git | GitHub Actions || Jenkins | Checkstyle | SonarQube | RabbitMQ MB | Docker
- **Testing :** JUnit | Selenium | Postman
- **Cloud Platform :** AWS | Azur | GCP

Education

Applied Bachelor's Degree in Information Technology (IT)

2020 - 2023

ISET RADES BenArouss

- This degree combines theoretical and practical IT knowledge, preparing graduates for various roles in the field. Key skills include analyzing and designing information systems, developing databases and management applications, building websites and multimedia applications, writing software requirements, preparing technical documentation, and training users.

AWS Cloud Partitionner

2023 - 2024

OrangeDigitalCenter • LaMarsa,Tunisia

- In-depth experience covering more than 70 labs, focusing on the creation of cloud infrastructures with expertise in compute, storage, network, and security services.
- Proficient in deploying dynamic web applications, integrating Elastic Load Balancer (ELB) with an AWS Auto Scaling group, EC2 instances, RDS, Web Application Firewall (WAF), CloudFront, and utilizing CloudWatch for monitoring.

CERTIFICATION

- Oracle Certified Master Java Enterprise Architect (OCMJEA)
- Scientific Computing with Python, Docker
- M220J MongoDB

Languages

Arabic, English ,French.