



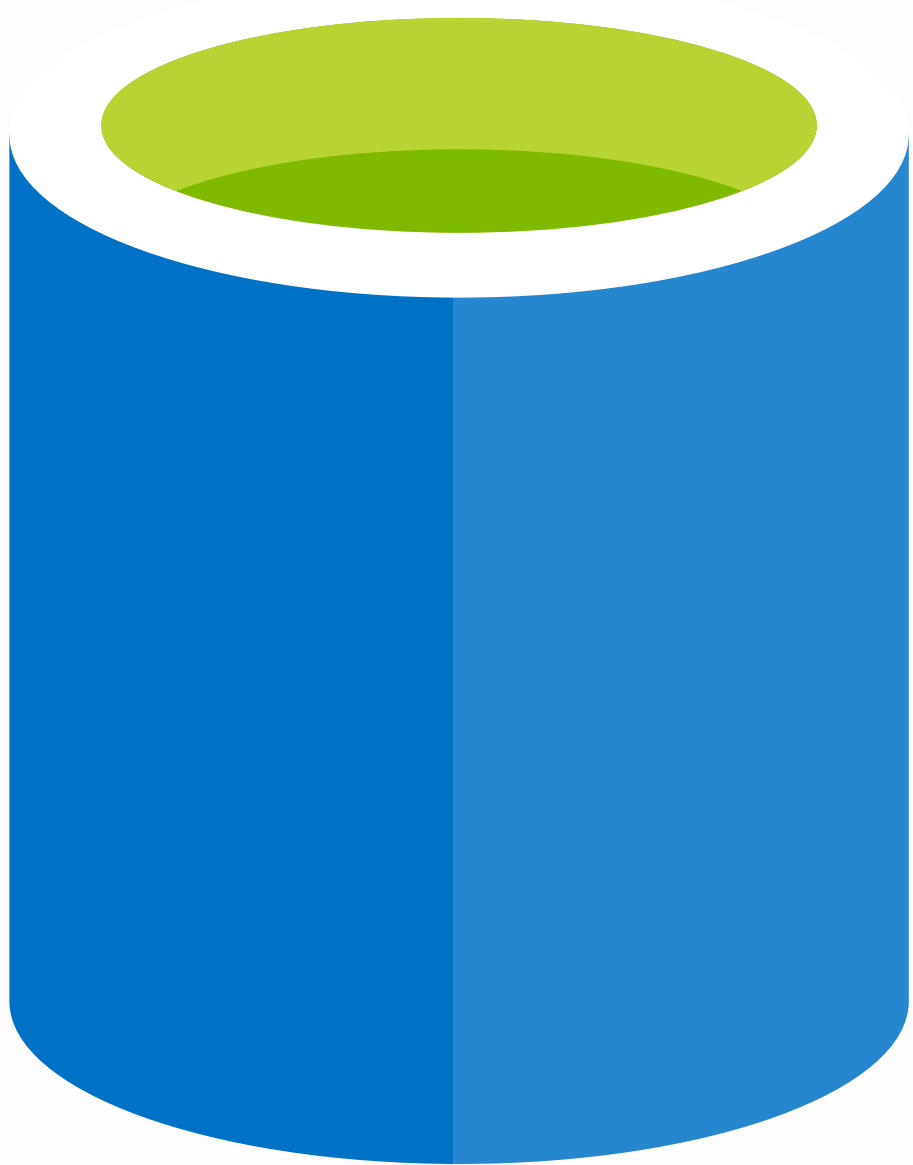
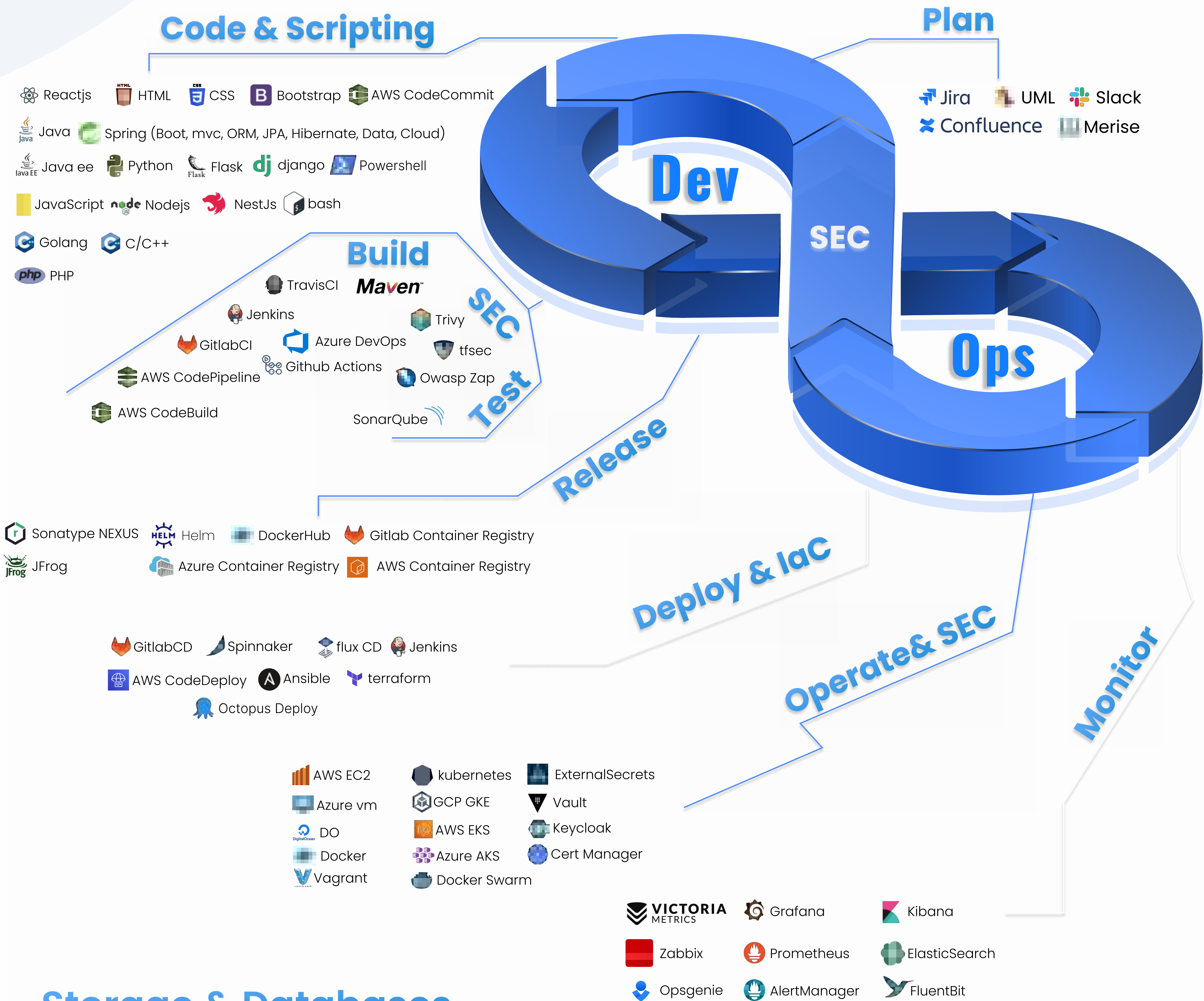
# Anas DADI

## DevSecOps/Cloud Engineer

Graduated as Big data et Cloud Computing engineer, with several years of experience as DevSecOps & Cloud Engineer/Architect, open to work for full remote positions (CDI or Freelance-umbrella/portage)

Paris, France

### Technical Skills



### Cloud Providers





Professionnel Experiences - 1

Coral-io / Stellantis

Cloud/DevSecOps Architect- 9 months (until now)

01 September 2023 - now

Paris, France  
(Full remote)

Project: Migration to the Cloud

Objective: Spearheaded the strategic migration of thousands of projects from on-premise data centers to AWS and Azure cloud platforms, improving scalability, reliability, and performance. This initiative established a secure, flexible, and cost-efficient cloud infrastructure..

Roles and Responsibilities:

- Strategic Planning and Leadership: Orchestrated the planning and execution of cloud migrations, coordinating with cross-functional teams to ensure smooth transitions, and established cloud-specific landing zones for initial setup and scaling.
- Risk Management: Conducted in-depth risk assessments and compliance checks against industry standards and best practices, utilizing tools like AWS Inspector and Azure Security Center.
- Architecture Design & IaC: Engineered robust cloud architectures to optimize performance and integration, using HCP Terraform as IaC tool in addition to AWS CloudFormation and Azure Resource Manager for template-based management.
- DevSecOps and Training: Delivered training on cloud technologies and DevSecOps best practices, promoting a culture of continuous integration and continuous delivery.
- Stakeholder Engagement: Managed stakeholder communications, providing frequent updates on project status, using dashboards and reports.
- Transition Management: Directed the use of Transition Manager tools to meticulously manage the migration process, ensuring projects remained aligned with strategic objectives.

Technologies and Skills:

- Infrastructure as Code (IaC) and Security:
  - Mastered Terraform for defining and provisioning cloud infrastructure, ensuring consistency across environments.
  - Integrated security tools such as Tfsec for Terraform security scanning and TFLint for linting to maintain high code standards.
  - Implemented terraform-docs for automated documentation of infrastructure setups, improving project transparency and compliance.
  - Used pre-commit hooks to ensure all code commits meet predefined quality checks before integration.
  - Managed and secured code repositories on Git, utilizing branching strategies and thorough review processes for collaborative development.
- CI/CD Implementation:
  - Implementation of CI/CD by defining pipelines as code, which allows for versioning and better maintainability of the CI/CD process.
  - Developed and maintained robust CI/CD pipelines that automated the build, test, and deployment of applications across different cloud accounts/subscriptions and different environments.
  - Ensured security integrations within CI/CD pipelines, code analysis and compliance checks directly into the deployment process.
- AWS and Azure Services:
  - Extensively used AWS services like EC2, ELB, RDS, ECS, ECR, Lambda, Route53, S3, CloudWatch, CloudTrail, IAM, KMS, AWS Shield, AWS Application Migration Service, and Data Migration Service.
  - Managed Azure services including Resource Groups, Azure Vault, Disk Encryption Sets, Network Security Groups, Azure Functions, Azure Kubernetes Service, Azure SQL Database, Cosmos DB, Azure Blob Storage, and Azure File Storage.

Technical Tasks:

- Cloud Environment Management: Configured and managed sophisticated cloud environments on AWS and Azure, developing detailed migration runbooks to guide each step of the transition.
- Disaster Recovery and Business Continuity: Engineered and implemented comprehensive disaster recovery strategies using Azure Site Recovery and AWS Backup.
- Cost Optimization and Performance Benchmarking: Performed regular reviews and optimizations of cloud resource utilization, ensuring cost-efficiency and optimal performance.
- Security and Compliance Monitoring: Maintained strict compliance with data security standards, conducting regular audits using AWS Audit Manager and Azure Policy.

Technical Environment: Terraform, AWS (EC2, ELB, RDS, ECS, ECR, Lambda, Route53, S3, CloudWatch, CloudTrail, Application Migration Service, Data Migration Service, CloudFormation), Azure (Resource Groups, Azure Vault, Disk Encryption Sets, Network Security Groups, Subnets, Vnets), Docker, Kubernetes, TeamCity (Kotlin-based pipelines), GitHub Actions, Looker Studio, AWS QuickSight, Azure Power BI, Git, Tfsec, terraform-docs, Pre-commit, TFLint.



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Coral-io/icade.fr

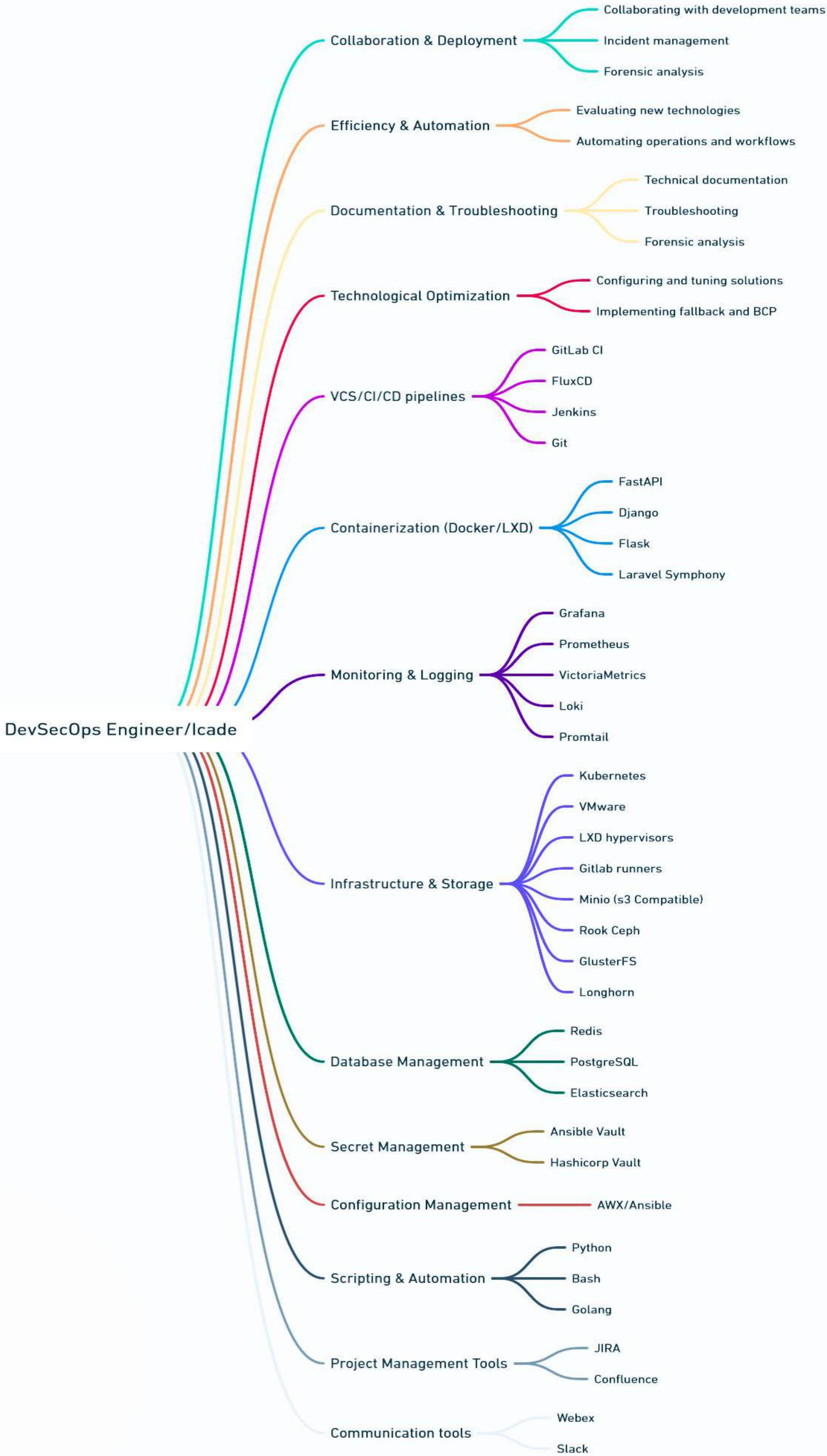
DevOps/SRE consultant - 1 year 2 months

17 August 2022 - 31 August 2023

Paris, France  
(Hybride)

- Designing, building, and managing Continuous Integration/Continuous Delivery (CI/CD) systems, utilizing GitLab CI and Jenkins to ensure regular and reliable deployments.
- Containerization of various web projects based on different technologies (FastApi python, Django, Flask, Laravel Symphony).
- Collaborating closely with development teams to facilitate the deployment of new features and services.
- Evaluating and integrating new technologies and techniques to continually improve efficiency and automation.
- Participating in incident management and the development of post-mortems to ensure quick resolution of problems and prevent their recurrence.
- Maintaining detailed and up-to-date technical documentation, ensuring traceability and transparency.
- Assisting development, infrastructure, and data teams to automate operations and production workflows.
- Handling forensic analysis and troubleshooting to resolve problems when things go wrong.
- Installing, configuring, tuning, and optimizing technological solutions to align with business requirements.
- Ensuring that any implemented technological solution is robust, scalable, and that fallback and business continuity plans (BCP) are in place to maintain service reliability.
- Implementing monitoring and logging solutions that allow production systems to be monitored 24/7.
- Led a project to migrate the infrastructure from vSphere to new Kubernetes clusters, deployed in LXD hypervisors, thus improving the system's scalability and robustness.
- Deployed several tools in Kubernetes using Terraform, including Apache Solr, AWX, Blackbox, Cert-Manager, and many others, thereby strengthening the company's DevOps tool ecosystem.
- Configured storage using Rook Ceph, GlusterFS, and Longhorn, thus offering resilient and high-performance distributed storage options for production applications.
- Drove the configuration and installation of Loki and Promtail on different servers, improving centralized log management and facilitating a more efficient response to incidents.
- Maintained several databases, including Redis, PostgreSQL, and Elasticsearch, ensuring their high availability, securing data, performing regular backups, and managing database scaling.
- Implemented secret management with Hashicorp Vault to secure sensitive information.
- Used configuration management tools, such as Ansible, to automate provisioning, configuration, deployment, and server management.
- Developed and implemented automation scripts using Python, Bash, and Golang to optimize recurring tasks.
- Configured and implemented Grafana for real-time system monitoring.
- Set up Prometheus and VictoriaMetrics for metric collection.
- Installed and configured PHPIPam for IP address management.
- Used the Atlassian JIRA project management tool for issue tracking and project management.
- Used Confluence for documentation and knowledge sharing.

**Technical environment :** Python, Bash, Golang,, Kubernetes administration, Vault hashicorp, Terraform, Ansible, Docker, Helm, Elasticsearch, redis, PostgreSQL, Mariadb, CertManager, ExternalSecrets, Prometheus, VictoriaMetrics, Grafana, Gitlab CI, FluxCD, SonarQube Redis, PHPIPam, VMware ESXi, PowerDNSAdmin, GitlabCI (private/public), Gravitee apim, AWX, LXD, Blackbox, Telegraf, Promtail, Influxdb, Loki, Atlassian (JIRA, Confluence, OpsGenie), Slack, Webex, Minio, OpenEbs ...



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Professionnel Experiences - 3

Avito.ma / Frontier Digital Ventures

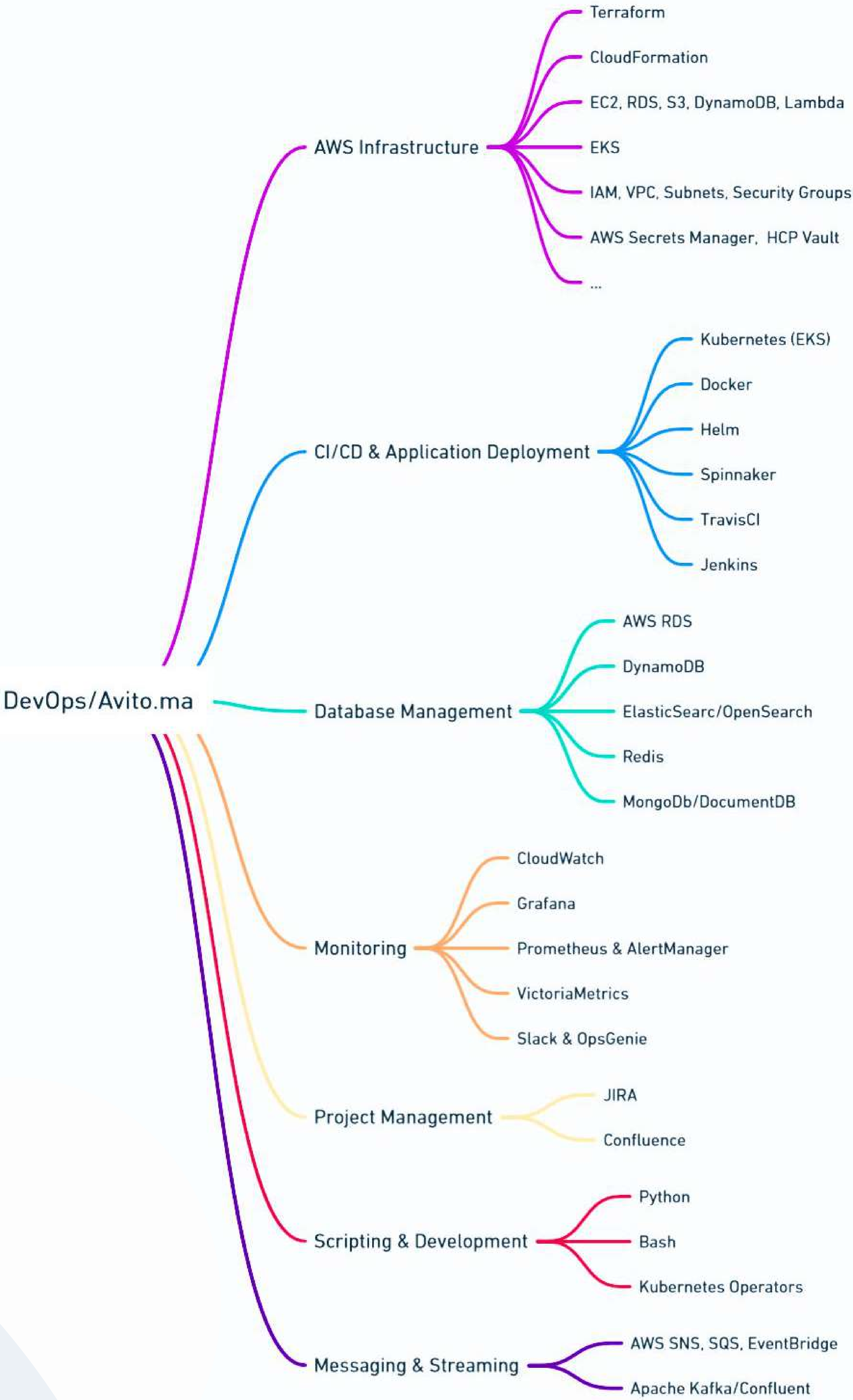
DevOps/Cloud Engineer - 1 year

01 September 2021 - 01 August 2022

Casablanca, Morocco  
(Full remote)

- Setting up and managing AWS infrastructures using Infrastructure as Code tools such as Terraform and CloudFormation, allowing the creation and modification of AWS resources in a predictable and idempotent way.
- Using Ansible for automating server configuration, orchestration, application deployment, and ad-hoc tasks.
- Deploying and managing large-scale applications on AWS using Kubernetes and EKS, thereby providing an automated, scalable, and standardized way to deploy, scale, and manage applications.
- Deploying and managing AWS services such as EC2, RDS, S3, DynamoDB, Lambda using Docker for application isolation and easy deployment.
- Administering and optimizing AWS RDS, DynamoDB, and ElasticSearch databases, including performance monitoring, query optimization, backup management, and troubleshooting.
- Using AWS Secrets Manager and Vault for secret management and protecting sensitive data.
- Implementing monitoring systems with CloudWatch, Grafana, Prometheus to monitor and alert on AWS service metrics.
- Using Jira for issue tracking and project management, and Confluence for technical documentation and team collaboration.
- Developing scripts in Python, Bash to automate common tasks and increase efficiency.
- Developing Kubernetes Operators in Python for managing Traefik IngressRoute and managing PrometheusRules.
- Using AWS SNS, SQS, and EventBridge to set up notifications and queuing systems.
- Collaborating closely with development teams to resolve technical issues, provide assistance for adopting new technologies, and promoting DevOps best practices.
- Using Apache Kafka for real-time data stream processing, allowing for smooth communication between different parts of the system.
- Using Helm to manage Kubernetes application packages, making it easy to create, install, and upgrade even the most complex Kubernetes applications.
- Managing networking aspects during migration, including resolving connectivity issues, configuring GCP network services, and setting up VPN tunnels.
- Configuring, managing, and optimizing CI/CD pipelines with Jenkins, AWS CodePipeline, and Travis CI for smooth and reliable application deployment.
- Configuration and integration of Spinnaker for multi-cloud continuous delivery management.
- Containerization of various web projects based on different technologies (Go, React, NestJS, NextJS, Flask).

**Technical environment :** AWS, Python, Bash, AWS (Production administration; EKS, IAM, EC2, ECR, CloudWatch, Cloudtrail, VPC, Subnets, SG, OpenSearch, Redshift, lambda...), Kubernetes administration, Kubernetes operators, Terraform, Ansible, Docker, Helm, Elasticsearch, Jenkins, Prometheus, VictoriaMetrics, Grafana, TravisCI, Git/GitHub, Spinnaker, Redis, Slack, Atlassian (JIRA, Confluence, OpsGenie) ...



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## Internships

### DXC Technology

End-of-study internship – 4 months

15 February 2021 – 15 Juin 2021

Implementation of the solution of IT Monitoring and automation of Reporting BI solution using Zabbix, VMware ESXI, Kubernetes, Helm, Docker, Zabbix, Grafana, Elasticsearch, Fluent-bit and Kibana.

 Sale AL Jadida, Morocco

### ENSET Mohammedia

Application Internship – 2 months

1 october 2020 – 1 December 2020

Working on an Artificial Intelligence Chatbot using Python( Flask, Tensorflow) on Backend, Heroku for Deployment, and React-native for mobile development.

 Mohammedia, Morocco

### Abboud Foodstuff Trading

Engineering Internship – 2 months

01 July 2020 – 31 August 2020

Design and Development of a web stock management application using Nestjs for the backend, ReactJs for the frontend and Figma for the UI/UX.

 Rabat, Morocco

### Barid-Al-Maghrib

Initiation Internship – 1 month

1 july 2019 – 1 august 2019

- Development of a furnitures management web application using Flask-python.
- Management of a team of three developers to develop a web project using php.

 Rabat, Morocco

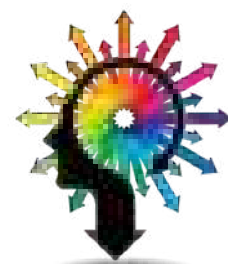
## Soft Skills



Patience



Flexibility



Creativity



Team Management

ARABIC

Mother language

English

Advanced

French

Advanced

## Education

### ENSET Mohammedia

CS Engineering, Big Data & Cloud Comoputing – 3 years

09/2018 – 07/2021

 Mohammedia, Morocco

### CPGE- Omar ibn Alkhattab

Physics and Engineer Science – 2 years

09/2016 – 07/2018

 Meknes, Morocco

### Tarik Ibnou Ziad High School

Mathamitaics Science A – 3 year

09/2013 – 07/2016

 Azrou, Morocco

## Certificates



TCF – French Advanced level



Huawei certification AI



Huawei certification Security

## Contact



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