

Skills

- **Operating Systems:** Linux (Ubuntu, Alpine, Arch Linux, Debian, Red Hat), Windows Server.
- **Languages:** NestJs, Typescript, Javascript, Python, Django DRF, SQL, Shell scripts, Golang, Java, C++, (non)relational databases.
- **DevOps Tools:** Docker, Kubernetes, Helm, Vagrant, Nginx, Traefik
- **CI/CD & Automation:** GitLab CI/CD, Jenkins, CircleCI, AgroCd.
- **Cloud Platforms:** AWS, GCP, Microsoft Azure, OpenStack.
- **Monitoring & Logging:** Prometheus, Grafana, ELK Stack, Kafka.
- **Configuration Management & IAC :** Terraform, Ansible, Puppet.
- **Version Control:** Git.
- **Communication:** English, French, Arabic.
- **Soft Skills:** Problem solving, Strong communication, Collaboration, Adaptability, Time management.

Experience

- **kostango.com** Paris, France
Devops Engineer - Backend Engineer Mar 2023 - Aug 2024
adapted with a huge code base and met all requirements within three months only.
Established a daily monitoring routine and issue tracking system, achieving a median resolution rate of five bugs per day.
Persistently developed and maintained automation scripts for builds, deployments, testing, and cron jobs to streamline operations.
optimized, maintained & re-designed CI/CD pipeline, accelerating execution time by 60% and enhancing scalability with Ansible and a custom CLI tool.
Played a key role in designing and implementing scalable, fault-tolerant architectures with zero downtime.
securing & enhancing data migration process reducing its cost & chances of data loss.
Successfully managed and delivered 3 backend tasks.
- **blurry.ai** Vienna, Austria
Devops Engineer Sep 2021 - Aug 2022
Continuously improving the way to deploy software and services, always automating manual tasks using tools or scripts, builds and integrations.
Designed and deployed a CI/CD pipeline from scratch using GitLab, automating build, test, and deployment processes for faster and more reliable software delivery.
Implemented a disaster recovery plan using Infrastructure as Code (IaC - Terraform) and configuration management tools (Ansible), achieving full automation for swift recovery and minimal downtime in critical scenarios.
Measure and performance of Cloud solutions to achieve the best use of cloud resources.
Identify, tackle and mitigate real-world Cloud deployment problems, incidents and security vulnerabilities.
Participate in code reviews and knowledge transfers.
- **Freelance** worldwide
Devops & backend Engineer Oct 2019 - July 2020
Delivered and contributed to various projects, taking on diverse responsibilities across DevOps, backend development, and infrastructure management.
Designed and implemented CI/CD pipelines with tools like Jenkins, GitLab CI/CD, and Docker to streamline and automate deployments.

Managed and optimized scalable, secure cloud infrastructure on AWS, GCP, and Azure, adapting environments to fit project demands.

Automated infrastructure setup and configuration management using Terraform and Ansible, ensuring consistency and efficiency across deployments.

Developed RESTful APIs and microservices with Django, nest.js, creating robust backend solutions for client applications.

Set up monitoring and logging solutions using Prometheus, Grafana, and ELK Stack to proactively maintain system health and performance.

Documented workflows and effective team communication, ensuring smooth collaboration and successful project delivery.

Education

- **Master of Science in Cloud Computing** Paris, France(remote)
ESGI "Graduate School of Computer Engineering" Oct. 2019 – Aug. 2022
- **Master & Bachelor Degree in Networks and distributed information systems** Oran, Algeria
University of science and technology of Oran Sep. 2015 – Aug. 2021

Certifications

- Ultimate AWS Certified Solutions Architect Associate SAA-C03 - 07 Oct. 2024
- Certified Kubernetes Administrator (CKA) with Practice Tests - 08 Oct. 2024

Projects

- **Parking Lot - Master Thesis:** decision aid Flutter mobile application of a custom mathematical aggregation method, it processes dynamically multiple set of data as elements and outputs which one is the more suitable based on your preferences.
- **Car Dashboard:** it is a c++ mobile application that displays informations fetched in real time from a car where this application is connected to an embedded OBD-2 device that links between the two edges (car-app), and shows real time data in a nice GraphQL frontEnd.
- **WordPress Migration Automation:** Developed a DevOps solution to automate the migration of a WordPress website between Cloudways cloud provider and a self-managed solution on AWS, utilizing Terraform for infrastructure provisioning, Ansible for configuration management, and shell scripting for seamless execution. Achieved a streamlined migration process from A to Z, enhancing deployment efficiency and reducing downtime while ensuring data integrity and security throughout the transition.

Articles

- **Passwordless SSH on Linux & Windows (click me):** a full guide on how to get the most of SSH and make it effective with a passwordless authentication based on SSH keypairs, on both Linux(ubuntu/debian) & Windows 10.