

Rafik Bahri

Cloud Architect - DevOps Engineer

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Education

INSAT

Software Engineer Degree

Sep 2014 – Nov 2018

Tunis

- **Software Engineering (3 years):** Distributed Systems, Big Data, Advanced Algorithms, Computer Science
- **Pre-engineering cycle (2 years):** Mathematics, Physics, Computer Science

Experience

Thales

Cloud Architect

May 2022 – Present

Vélizy-Villacoublay

- Built Kubernetes/RKE2/Rancher clusters on OpenStack tenants to migrate old client's apps hosted on VMs. Improved response times to up to 50% faster. Met scaling, and disaster recovery requirements.
- Managed production environments with 5 large Debian Hypervisors (256GB RAM, Terabytes of disk..) using Dell IDRACs and PXE.
- Designed development environments to meet the production architecture (ISO-prod dev environments). Used Terraform and Ansible to reduce the deployment time to an avg of 7min (vs avg 15min using the old method).

kShuttle

DevOps Engineer

Oct 2019 – Apr 2022

Levallois-Perret

- Automated 113 non-regression test scenarios using Jenkins, Cypress/Node, Java, and Selenium.
- Designed and built CI/CD pipelines for Lease management projects for more than 70 clients using Jenkins, Docker, Kubernetes, and Rancher.
- Built performance tests pipeline using Jenkins and Elastic Stack.

Konvergence B&T

DevOps Engineer – Intern

Feb 2019 – Sep 2019

Levallois-Perret

- Containerized 7 client apps. Setup a private registry and managed client deployments using Rancher.
- Designed and built Security test pipelines for 2 apps using Jenkins, OWASP ModSecurity, and Elastic Stack.
- Implemented CI/CD pipelines for company Core project.

Certifications

AWS Certified Solutions Architect

SAA-C03 – Validation number: 646c59c38c7146359343f61e0391f5c1

Jun 2024 – Jun 2027

Projects

Github public events analytics platform | *Hadoop, PySpark, Kafka, Zoo Keeper, Firebase, Angular, AWS*

- Designed data pipelines for Github public events.
- Deployed the infrastructure on AWS with CloudFormation for IaC.
- Implemented an analytics front-end using Firebase and Angular to analyze thousands of events in real-time.

Skills

Cloud: AWS, OpenStack

Containerization: Docker, Podman, Kubernetes, RKE2/Rancher

DevOps & CI/CD: Terraform, Ansible, Longhorn, Linux, Libvirt, Jenkins, Gitlab, Grafana, Prometheus

Security: OpenSSL, OWASP ModSecurity, OpenCVE

Programming/Scripting Languages: Python, Shell, Go, Java, JavaScript

Languages: French (bilingual), English (fluent), Arab (native)

Extracurricular experience

SAM – Société Athlétique Montmartoise

Licensed Athlete

Jan 2022 – Jan 2024

Paris

- Represented the association in a Powerlifting meet. Had a total of 517,5kg with 167,5kg squat, 130kg benchpress, and 220 deadlift. Finished second overall in the 83kg weight class, with a FFForce silver medal.