

Haroun Krifa

DevOps Engineer · CI/CD · Kubernetes · Infrastructure as Code

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PROFILE

Junior DevOps engineer, class of 2026 of the SAR Master's (distributed systems) at Sorbonne Université, ranked 4th. Six months at Thales in a constrained industrial environment: production CI moved to a hardened Jenkins, a monitoring platform three teams use every day, provisioning as Infrastructure as Code. Looking for a DevOps engineer role.

TECHNICAL SKILLS

CI/CD & GitOps	Jenkins (Groovy, JobDSL, Shared Libraries), GitHub Actions, GitLab CI, ArgoCD, Git, Bitbucket
Cloud & IaC	Kubernetes, Docker, AWS (EKS), Terraform, Ansible, air-gapped infrastructure
Linux & observability	Linux (kernel, VFS), QEMU/KVM, SSH, Prometheus, Grafana, rule-based failure diagnosis
Programming	Python, TypeScript/JavaScript, C/C++, Java, OCaml, SQL/PL-SQL, Bash
Web & data	Vue 3, Flask, Node.js, React, SQLite, MongoDB

PROFESSIONAL EXPERIENCE

DevOps Software Engineer (internship) · Thales, Gennevilliers March – August 2026

- Moved production CI to "Thales Control", the group's hardened Jenkins, despite the Groovy sandbox: an "Orchestrator / Factory" job generator (Bitbucket REST API, JobDSL) that redeploys every job in under a minute.
- Designed a CI monitoring platform (Vue 3/TypeScript, Flask, SQLite) on air-gapped Kubernetes, used every day by 3 teams (24 pipelines, ~200 builds/day): millisecond reads, available even when Jenkins is down.
- Automated failure diagnosis with shared rules (SRE): ~20 minutes saved by each team every morning.
- Made the Python provisioning of offline build agents reliable (pyenv, Poetry), as idempotent IaC with Ansible: under 8 minutes for the whole fleet, 10 seconds to re-run.
- Shared Terraform code through Jenkins Shared Libraries and optimized the nightly builds (workspace cleanup, Docker).

Computer Science Tutor · Sorbonne Université, Paris 2023 – 2025

- Taught Python and C (data structures, good practice) to Bachelor's and Master's students.

Other experience: Sales Advisor & Runner, Polène (2025) · Event Host & Animator, AA Events (2025)

PROJECTS

OuicheFS, a block-sharing file system · academic project (6 months) 2025

- Linux kernel module: small files share blocks against internal fragmentation, with real-time metrics.

Stack: C, Linux kernel (VFS, sysfs, ioctl), Git, Bash, QEMU/KVM

"Hello World to Production", an automated CI/CD pipeline · personal project 2025

- A full GitOps CI/CD chain (GitHub Actions, ArgoCD), an EKS cluster as IaC (Terraform), Prometheus monitoring.

Stack: Flask, Docker, Kubernetes, AWS (EKS), Terraform, GitHub Actions, ArgoCD, Prometheus, Grafana

EDUCATION

Master's in Distributed Systems and Applications (SAR) · Sorbonne Université, Paris 2024 – 2026

Ranked 4th in the class · distributed algorithms, cybersecurity, operating systems and kernel, virtualization and containers.

Bachelor's in Computer Science, with honors (mention Bien) · Sorbonne Université, Paris 2022 – 2024

Preparatory classes for the grandes écoles (CPGE), MP2I track · Lycée Saint-Louis, Paris 2021 – 2022

LANGUAGES & INTERESTS

Languages French (native) · English (C1) · Arabic (B1) · German (A2) · Japanese (A1)

Interests Robotics (Students Robotic 2021: 6th; Roboticist Challenge 2021: 3rd in CAD) · game development · augmented reality · cybersecurity · photography · post-punk/indie music