

MALO COËT



Cloud, Security & AI Engineering - End-of-studies internship · 6 months · from March 2027
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SKILLS

Cloud & DevOps
AWS (Lambda, DynamoDB, Cognito, API Gateway), Azure (AKS), Terraform, Docker, Kubernetes, CI/CD

Security
DevSecOps, Trivy, RBAC, least privilege, container hardening

Languages
Python, TypeScript, C, C++, Java, SQL

Backend
FastAPI, NestJS, Node.js, GraphQL, SQL / NoSQL

Frontend
React, Angular, Vite

AI & Data
Model fine-tuning (BERT), dataset preparation, inference APIs

CERTIFICATIONS

Google Cloud - Associate Cloud Engineer
in progress · Dec. 2026

CompTIA Network+ N10-009
in preparation

SPOKEN LANGUAGES

French - native

English - fluent (C1)

Spanish - basic (A2)

Chinese - beginner (HSK 2)

INTERESTS

Music production (FL Studio, 10 years)

Climbing

Travel - one year in China; Philippines, Japan, Thailand, Morocco

Tech watch & audio engineering

PROFILE

Final-year student at Epitech, back from a year at Beijing Jiaotong University, specialising in cloud infrastructure, security and applied AI. I am looking for a 6-month end-of-studies internship starting in March 2027, within an IT, cloud, security or AI team.

PROFESSIONAL EXPERIENCE

Full-Stack Developer Intern - Nemitis March – Aug. 2025
SaaS software company · Lyon

- Developed new features on a SaaS platform in production, from functional design to release, and reworked existing code based on user feedback.
- Built invoice import feature with date-range filtering, and designed an Excel template for bulk-loading financial data into the web-app.
- Angular / NestJS / TypeScript stack; two-week Agile sprints with product owners and code reviews.

Backend Developer Intern - Visiativ July – Dec. 2023
Software for the industrial sector · Lyon

- Automated business processes (TypeScript, Java) to remove repetitive manual work.
- Managed, optimised and maintained the company's SQL databases.

PROJECTS

SecureShip - DevSecOps & hardened Kubernetes github.com/malo-coet/seureship
Personal project · ongoing

- Kubernetes deployment of a hardened container (non-root, Linux capabilities dropped), 2 replicas, token-less ServiceAccount and least-privilege RBAC.
- GitHub Actions pipeline: tests → build → blocking Trivy scan, SARIF report in GitHub Security; Terraform IaC (AKS + ACR through managed identity).

TaskFlow Cloud - fully serverless SaaS on AWS github.com/malo-coet/TaskFlow-Cloud

- Terraform IaC, Cognito authentication (JWT), TypeScript Lambda CRUD, single-table DynamoDB, React frontend - fully serverless, running entirely within the AWS Free Tier.

Harmonia - AI Audio Engine (final-year project, team of 3) github.com/Harmonia-EIP

- AI engine that turns a text prompt into synthesiser (VST) parameters, built on a small open-source model (BERT-tiny) served by a Flask API to a C++ audio plugin (JUCE).
- My role: the AI side - dataset creation, fine-tuning, the pipeline linking the two models - plus the application backend.

EDUCATION

Epitech - Software Engineering · Lyon 2022 – 2027

Beijing Jiaotong University - Exchange year · Beijing 2025 – 2026

Université Lyon 1 - Life & Earth Sciences, before moving to IT 2019 – 2021