

Benhamouche Kousaila

Software Engineer Back-end & DevOps

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🌐 LinkedIn profile 🐙 GitHub profile 🌐 Portfolio (kousaila.dev)



Professional Summary

Software engineer specialized in full-stack web development, with strong expertise in back-end technologies (Node.js, Spring Boot, FastAPI) and solid front-end experience with React. Skilled in DevOps practices and automation (Docker, GitHub Actions, CI/CD), I have deployed services on Kubernetes and worked with cloud platforms such as Google Cloud and AWS. I combine technical versatility and rigor to design reliable, scalable, and user-focused applications.

Technical Skills

Programming Languages: Java, JavaScript, Node.js, Python, C/C++, Bash Scripting.
Systems & Cloud: OS Fundamentals, Cloud Computing, Linux.
Databases: PostgreSQL, MySQL, MongoDB, Redis, Cassandra, Database Optimization.
API Design: REST APIs, JSON/XML Processing, Authentication (JWT, OAuth).
Containerization & Orchestration: Docker, Kubernetes.
CI/CD: Git/GitHub, GitLab CI/CD, GitHub Actions, Automated Testing, Pipeline Automation.
Security: Network Security, SSL/TLS, Firewall Configuration.
Testing & Documentation: Postman, Swagger, Unit Testing, API Documentation.
Frameworks: Express.js, RESTful API Development, Microservices Architecture.

Projects

DevOps Engineer & Research Lead
TechMart E-commerce Platform: GitOps Research Project (2025)
Technologies: Kubernetes, Docker, ArgoCD, GitOps, CI/CD, Microservices

Team Lead & Backend Developer
E-Social Assistance (2023)
Technologies: Node.js, Express.js, React, MySQL, Cloud

Backend Developer
Mobile Tourism Application (2022)
Technologies: Java, Node.js, Express.js, MongoDB

IoT & Mobile Developer
Fleet Management System (2024)
Technologies: Flutter, MQTT, WebSocket, Arduino

Languages

Arabic: Fluent | **French:** Advanced |
English: Advanced

Professional Experience

Internship Full Stack Developer 03–09/2025
Laboratory of Computer Science Research (LabRI-SBA),
Higher School of Computer Science, Sidi Bel Abbès,
Algeria

➤ *Development of a microservices-based e-commerce platform (TechMart) and comparison between GitOps and traditional CI/CD; Kubernetes deployments.*

Internship Network Systems Engineer 09/2023
Algeria Telecom, Oran, Algeria

➤ *Network topology setup, routers/switches configuration, and technical support during an international event.*

Education

Engineering & Masters Degree ISI 2020–2025
Higher School of Computer Science, Sidi Bel Abbès,
Algeria

Baccalaureate Mathematics 2020
Ahmed Benabdabberrezak High School, Algeria