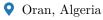
# Benhamouche Kousaila

Software Engineer Back-end & DevOps



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# **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**

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

#### IoT & Mobile Developer

(2024)Fleet Management System Technologies: Flutter, MQTT, WebSocket, Arduino

## Languages

Arabic: Fluent French: Advanced

English: Advanced

# Professional Experience

#### Internship Full Stack Developer

03 - 09/2025Laboratory 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 09/2023Algeria Telecom, Oran, Algeria

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

#### Education

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

#### Baccalaureate Mathematics

Ahmed Benabdabberrezak High School, Algeria

2020