# Zakaria Goumri

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## PROFESSIONAL SUMMARY

Backend Software Engineer with 2+ years of experience building scalable, high-performance systems using Node.js, NestJS, and PostgreSQL. Skilled in microservices architecture, real-time event streaming, and REST API design. Proficient in cloud deployment (AWS), CI/CD automation, and system monitoring with ELK Stack and Grafana. Adept at API security, performance optimization, and managing large-scale data workflows.

## TECHNICAL SKILLS

**Principles:** SOLID, Object-Oriented Programming, Databases, System Design, Design Patterns
**Backend:** NestJS, Node.js, Express.js, REST API, Microservices, Monolithic, SSE, WebSockets, Grapql
**Databases:** PostgreSQL, MongoDB, Redis, Prisma ORM, TypeORM, Elasticsearch
**DevOps & Tools:** Docker, Nginx, Linux, GitHub Actions, ELK Stack, Grafana
**Programming:** JavaScript, TypeScript, Python
**Security:** JWT, OAuth2, API Security, Encryption, Hashing
**Testing:** Jest, Postman, Unit Testing, Hurl
**Frontend (Supporting):** React.js, Next.js, Tailwind CSS

## PROFESSIONAL EXPERIENCE

**Portals - Event Management Platform**  Feb 2025 – May 2025
*Backend Developer (Freelance, Remote)*  *Freelance*
- Engineered backend services in NestJS, PostgreSQL, Prisma, processing 100k+ event records with sub-200ms API responses
- Implemented real-time notification system (SSE), boosting attendee engagement by 35%
- Designed optimized database schemas to handle high-volume concurrent traffic
- Delivered analytics APIs powering dashboards for 500+ monthly active users
- Automated deployments via GitHub Actions and containerized with Docker

**GrowPath - Student-Company Matching Platform**  Jan 2025 – Apr 2025
*Full-Stack Engineer (University Capstone Project)*  *Academic Project*
- Led frontend in React, TypeScript, Tailwind CSS with REST API integration
- Delivered platform enabling 200+ internship matches

## HACKATHON ACHIEVEMENTS

**Boumerdes Smart City (BSC)** | Next.js, Express.js, MongoDB, Chart.js  Nov 2024
- Developed admin dashboard and backend for hotel/tourist attraction reservations
- Integrated analytics using Chart.js for tourism insights

**IntelliPower – AI Security System** | MQTT, IoT, AI Face Recognition  2024
- Designed IoT architecture integrating AI-based facial recognition
- Rendered sensor layouts in 3D visualizations

## EDUCATION

**Higher National School of Computer Science**  Sep 2023 – Present
*Higher School Degree in Computer Science (Expected 2028)*  *Sidi Bel Abbès*
- Relevant Coursework: Advanced Algorithms, Distributed Systems, Database Design, Software Engineering, Web Development

## LANGUAGES

**Arabic** (Native), **English** (Professional), **French** (Professional)