

# Goumri Zakaria

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## PROFESSIONAL SUMMARY

Backend Software Engineer with 2+ years of experience specializing in **Node.js** and **NestJS** development. Proven track record in building scalable event management systems, implementing real-time features, and developing robust REST APIs. Currently pursuing a Higher School degree in Computer Science with expertise in **PostgreSQL**, **microservices** and **monolithic architecture**, and **CI/CD pipelines**. Passionate about backend development and system design.

## PROFESSIONAL EXPERIENCE

- Portals - Event Management Platform** Feb 2025 - May 2025  
*Backend Developer (Remote)* *Freelance*
- Developed backend services for a large-scale event management platform using **NestJS** and **PostgreSQL**
  - Implemented real-time notification system using **Server-Sent Events (SSE)** for instant event updates
  - Built comprehensive analytics dashboard and agenda management system with **REST API** architecture
  - Collaborated with a 4-member development team using **Prisma ORM** for efficient database operations
  - Designed and optimized database schemas to handle high-volume event data and user interactions

## EDUCATION

- Higher National School of Computer Science 08 May 1945, Sidi Bel Abbès** Sep 2023 - Present  
*Higher School Degree in Computer Science* *Expected Graduation: 2028*
- Specializing in software engineering with focus on backend development and system architecture
  - Relevant coursework: Algorithms, Data Structures, Database Systems, Software Engineering, Web Development
  - Active participant in hackathons with recognition for problem-solving and teamwork skills

## TECHNICAL SKILLS

**Backend Technologies:** NestJS, Express.js, Node.js, REST API, Microservices Architecture  
**Databases:** PostgreSQL, MongoDB, Redis, Prisma ORM, Elasticsearch  
**Programming Languages:** JavaScript, TypeScript, Python  
**DevOps & Tools:** Docker, Linux, GitHub Actions (CI/CD), Git  
**Frontend (Supporting):** React.js, Next.js, Tailwind CSS  
**Concepts:** Object-Oriented Programming, Database Design, System Design, Design Patterns  
**Collaboration Tools:** GitHub, Jira, Slack, ClickUp, Figma

## NOTABLE PROJECTS

- GrowPath - Student-Company Matching Platform** | *React, TypeScript, Vite, Tailwind CSS* 2025
  - Led frontend development for university capstone project connecting students with companies for internships
  - Built responsive platform enabling companies to post real-world challenges and discover talented students
  - Collaborated with 5-member team (2 frontend, 3 backend) to deliver project-based recruitment solution
  - Implemented modern UI/UX with TypeScript for type safety and improved development experience
- IntelliPower - AI-Powered Security System** | *MQTT, IoT, Face Recognition, Real-time Data* 2024
  - Developed smart security system integrating AI-powered face recognition with IoT devices
  - Built system architecture for handling multiple security sensors and surveillance components, render them in 3D model
  - Created comprehensive documentation and open-source repository showcasing technical implementation
- Trackiny - Freight Transport Management** | *React, Next.js, Firebase, React Leaflet* Jan 2025
  - Developed automated freight transport management platform during hackathon competition
  - Implemented real-time driver tracking system with integrated mapping using React Leaflet
  - Built responsive dashboard for logistics management with real-time location updates
  - Utilized Firebase for real-time database and Zustand for efficient state management

Nov 2024

- Created tourism platform for Boumerdes city during hackathon, focusing on admin dashboard development
- Contributed to backend development for hotel and tourist attraction reservation system
- Implemented data visualization using Chart.js for tourism analytics and reporting
- Collaborated with cross-functional team to deliver complete tourism management solution

## LANGUAGES

Arabic - Native

English - Professional

**French - Professional**