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

Boumerdes Smart City (BSC) | *Next.js, Express.js, MongoDB, Chart.js*   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