Zeraibi Ahmed Yassine

Full-stack web developer and Tech enthusiast

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ABOUT ME

- Full-Stack Developer skilled in Java, Python, JavaScript, and frameworks like React, Next.js, Express.js, Nest.js, and FastAPI. Proficient in database management, cloud services, and tools such as Docker, Redis, and GitHub Actions. Adept at building scalable, high-performance applications with a results-driven mindset, strong teamwork skills, and a passion for continuous learning. Currently pursuing a degree in Computer Science, eager to tackle technical challenges and deliver innovative solutions.

EDUCATION

First Year of Advanced Studies in Computer Science — Bejaia, Algeria
Higher School of Computer Science and Digital Technologies - ESTIN — *Sep. 2024 – Present*
- **Courses:** Software Engineering, Databases (DB), Networks, Theory of Languages, etc.

Preparatory Classes in Computer Science — Bejaia, Algeria
Higher School of Computer Science and Digital Technologies - ESTIN — *Sep. 2022 – June 2024*
- **Courses:** Algorithms and Data Structures, Operating Systems (Linux), Computer Architectures, Assembly Programming, Object-Oriented Programming, Analysis, Algebra, Probability and Statistics, Mathematical Logic

Baccalaureate Diploma - Experimental Sciences Track — Bordj Bou Arreridj, Algeria
Ammar Boudjellal Mebarek High School — *Sep. 2021 – June 2022*
- **Bac: 16.58 (High Distinction)**
- **Mathematics: 19.5/20**

TECHNICAL SKILLS

Programming Languages: C/C++, Assembly, Bash, Python, Java, JavaScript, TypeScript, Go

Frontend: React, Next.js, React Native, TailwindCSS/NativeWind

Backend: Express.js, Nest.js, FastAPI, Django, Gin

Database: Firebase, Supabase, TypeORM, PrismaORM, Mongoose, SQL, NoSQL

Tools: Git/GitHub, GitHub Actions, Linux, Docker, Nginx, Redis/Memcached, DigitalOcean/Azure, VS Code

Others: Socket.io/WebSockets, Redux/ReduxToolkit, Zustand, React Query, Jest, ESLint, NumPy, Pandas, Selenium, OpenAI, OOP, Figma

Skills: Automation, Web Scraping, Linux, CLI

GitHub Contributions: Over 2,000+ commits across various projects, maintaining a GitHub streak of over 17 days.

PROFESSIONAL EXPERIENCES

Backend Developer - Learnify — Sep 2024 – Present
Personal Project — *Bejaia, Algeria*
- Developed an innovative educational platform using the OpenAI API and NestJS to assist students with lesson summaries, interactive tests, and personalized features, ensuring a secure and scalable architecture.

Fullstack Developer - Survision System/Server and Mobile Application — July 2024 – Present
SURVISION — *Algiers, Algeria*
- Developed the backend using NestJS, TypeORM, PostgreSQL, Redis, and TypeScript, alongside a mobile application with React Native, integrating secure APIs and real-time features.
- Managed deployment servers with Nginx, configured domain names, ensured server security, and optimized performance.

Backend Developer - MyQcm
Aug 2024 – Sep 2024

MyQcm - Freelance Project *Algiers, Algeria*

- Rebuilt the backend with NestJS, TypeScript, and PostgreSQL, redesigning the database schema for improved performance and maintainability.
- Migrated existing data to the new schema while ensuring data integrity.
- Collaborated with a team of three on architecture, API integration, and project optimization.
- The project won 2nd place at Eductek, a startup-focused conference.

Fullstack Developer - Ra9man
June 2024 – Aug 2024

Freelance Project *Algiers, Algeria*

- Developed a government platform to simplify the extraction of administrative certificates for users, integrating advanced AI models (RAG chatbot, OCR, voice recognition) and secure APIs. Built the backend with NestJS, TypeScript, and PostgreSQL, and created a responsive interface using React and Next.js.

Fullstack Developer - Chery Algeria
Jan 2024 – June 2024

Second-Year Multidisciplinary Academic Project - ESTIN *Bejaia, Algeria*

- Collaborated with a team of five and Chery Algeria to develop a data management system, rebuilding the backend with NestJS, TypeScript, and PostgreSQL, migrating existing data, and creating a responsive interface with React. Project graded 17.5/20.

COMPETITIONS AND EXPERIENCES

- **NASA Space Apps Challenge organized by Sirius - October 2023:** First-place winning team for creating an innovative solution addressing a space challenge, held in Béjaïa.

- **Nextrace CTF organized by Nexus - November 2023:** Secured 2nd place in an intense and competitive cybersecurity challenge.

- **Innobyte Hackathon organized by Bytecraft - December 2023:** First-place winning team among 18 teams for developing an innovative solution, held at the Syphax Hotel.

- **TrainIT Datathon organized by SOAI - March 2024:** Ranked 6th for data analysis and visualization in a competitive setting.

- **MicroHack Hackathon organized by Microclub - April 2024:** Participated in developing a technical solution in collaboration with a dynamic team.

EXTRACURRICULAR ACTIVITIES

ByteCraft Club
September 2024 – Present

Leader and Co-Manager of the Development Department *Bejaia, Algeria*

- **Role Overview:** Led technical workshops focusing on backend and frontend development, mentored members during events, and actively contributed to organizing and developing club projects.

Nexus Club
September 2023 – June 2024

Leader and Co-Manager of the Development Department *Bejaia, Algeria*

- **Role Overview:** Directed the development department, organized backend and frontend workshops, mentored participants in various events and challenges, and coordinated teams on technical projects.

SOAI Club
September 2023 – Present

Member of the IT Team *Bejaia, Algeria*

- **Role Overview:** Contributed to the development and maintenance of IT solutions, supported the organization of technical events, and provided technical assistance for association projects.

LANGUAGES

- **Arabic:** Native language.

- **French:** Intermediate.

  - TCF SO (Tout Public) B2 [416] – Algiers, Institut Français d'Algérie, Algiers Branch.

- **English:** Advanced.

  - EFSET C2 74/100 – https://cert.efset.org/fr/E7cuUd