CARLOS RODRIGUEZ

BACKEND DEVELOPER

+52-81-3407-7615 • ca223871@gmail.com • github.com/wonderiing • Monterrey NL, MX

Summary

Passionate Backend Engineer who loves building robust and scalable systems. I thrive in backend development, particularly in optimizing security and performance. I enjoy working with TypeScript (NestJS) and Python (Django) to create efficient, high-performing applications. Security is a key area of interest for me, and I focus on building secure architectures that protect data and users. I am always exploring new technologies to improve system resilience and reliability.

Skills

TypeScript · NestJS · SQL · Cloud Knowledge · Docker · Problem Solving · Python · Django · AWS · MongoDB · ExpressJs · Git/Github

Projects

Barry

A robust financial API designed to handle transactions, budgeting, and financial forecasting, with a strong focus on security and performance.

- Integrated AI-powered APIs to enhance financial insights and automation.
- Optimized API request handling, reducing response times and improving scalability.
- Used data encryption mechanisms for sensitive financial information.
- Built using JavaScript and Express.js and MySQL

Automated Candidate Selection AP

An API made for recruiters that automates candidate pre-selection by scoring CVs against job vacancies, highlighting strengths and improvement areas to streamline screening.

- Developed using Python and Django, with PostgreSQL as the database.
- Deployed on AWS EC2, ensuring scalability and high availability.
- Optimized text extraction parsers for accurate and fast CV processing.
- Focused on reducing API response times by improving AI model efficiency and query optimization

Psychologist Platform API

Developed a comprehensive platform for managing patient notes, appointment scheduling, and other psychological services.

- Built using TypeScript and NestJS, MongoDB, focusing on scalability and maintainability.
- Designed the system using microservices architecture to ensure modularity and independent scalability.
- Dockerized all microservices to streamline development and deployment processes.
- Deployed the application on AWS, ensuring high availability, scalability, and security.
- Ensured data privacy and compliance with regulations in handling sensitive patient information.

Education

Universidad Tecmilenio	Monterrrey Nuevo Leon, Mexico
Bachelor's Degree in Software Development Engineering	2022 - 2027

Languages

Spanish	Native	English	C1