Miguel Fernández Pérez

Software Engineer

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WORK EXPERIENCE

- GEOCUBA   2022 - present

In 2022, I began working at the national company Geocuba, as a full-stack developer using NestJs and Vuejs technology, facing scalability challenges and contributing to the design and implementation of new features.

About some of the projects I have participated in:

· Disaster Management System (Fénix): I worked as a backend developer in the development of the API, integrating geolocation systems to track and map areas affected by disasters.

· In the Identification System project for the Population and Housing Census, I had the privilege of serving as a full-stack developer. On the frontend, working directly on the implementation of user interfaces and improving the user experience. On the backend, I significantly contributed to the development of the API, with a particular focus on the security module. In addition, I worked to improve the interaction with the database. Given the nature of the census data, which are voluminous and complex, I optimized database operations to achieve greater efficiency.

·In most of the projects, I have been participating as a full-stack programmer.

· Most of the sites are at the .cu level.

· All sites created with security due to customer restrictions.

PERSONAL - INDEPENDENT PROJECTS

- Restaurant management API. (.Net core, PostgreSql, Docker, Microservices, Cqrs, Hexagonal Architecture)

- Web Application to manage the purchase of products. (TypeScript, Vue3, Quasar, Pinnia)

- API for the different functionalities of an e-commerce. (Nestjs, PostgreSql, GraphQl)

- Web Application for a Pet Store implementing the corresponding functionalities. (Django Rest Framework, Microservices, PostgreSQL)

- Menu management for restaurants. (Vue3, Quasar, Nestjs, PostgreSql, Redis)

EDUCATION
University of Informatics Sciences (UCI)

-Computer Science Engineer.

SKILLS

Programming languages: JavaScript, TypeScript, C#, Java, Python

Frameworks: Nestjs, .NetCore, Vuejs, React, Django, Spring Boot

Database Manager: PostgreSql, Mysql, Mongo, SqlServer

Version control: Git, GitLab, Github, BitBucket

LANGUAGES

Native Spanish

Others English (Level B1)