ALAN LOPEZ BARRIENTOS

Software Developer - Backend Developer

alanlb196@gmail.com | +52 1 9981874609 | Cancún, México | Github | Portfolio | LinkedIn

PROFESSIONAL PROFILE

Software developer with nearly 2 years of professional experience, specialized in backend development using JavaScript and C#, with some exposure to frontend. Solid understanding of clean code principles, design patterns, testing, and the use of Docker/Kubernetes within DevOps methodologies

EDUCATION

- Engineering in Software Development and Management - 2018 - 2021
- Higher University Technician in Multiplatform Software Development - 2021 - 2022
- Online courses - 2025 - Present

EXPERIENCE

Santi Solutions - Fullstack Developer June 2023 - December 2025
I developed and contributed with fixes and code refactoring in C# and JavaScript for various projects. I participated in meetings and privided ideas for new projects and implementations.
Technologies: C#, ASP .NET, .NET Core, SignalR, SQL Server, Docker, Git y Azure DevOps

Web Developer - Trainee 2022 - 2023
As a trainee, I contributed to the development of an integrated system for registering new clients (brokers) into the main platform. I aso worked on containerizing a legacy PHP application built with the Yii Framework, streamlining the development process and improving overall efficiency
Technologies: HTML5, CSS3, JavaScript, TypeScript, React, PHP, Yii Framework (Legacy), Bootrstrap, Node y MySQL.

SKILLS

- **Backend:** .NET Core (C#), Node.js, Express, NestJS, NestJS-Microservices
- **Frontend:** HTML5, CSS3, Javascript, Typescript, Astro
- **Databases:** PostgreSQL, SQL Server y MongoDB.
- **Testing:** Jest
- **Other Tools:** Git, Github, Docker, Kubernetes, Socket IO, Open AI API
- **In Progress:** NestJS + GraphQL

PROJECTS

Ecommerce Platform - Backend with NestJS..- Backend architecture built on microservices with communication via NATS. Includes Stripe payment integration, automated deployment using YAML scripts (CD), and seamless integration with Google Kubernetes Engine (GKE) clusters.

Clothing Store - Backend with NestJS.- A clothing-focused e-commerce platform with inventory management, JWT-based authentication, image handling, and real-time communication via WebSockets. Built with PostgreSQL using TypeORM for data management and includes unit testing with Jest.

Legacy Modernization: Full Dockerization of ASP.NET Web Forms Application.- Successfully implemented a full containerization solution using PowerShell scripting to Dockerize a legacy ASP.NET Web Forms application, including integration of Crystal Reports as a runtime dependency.