

# Simon Hernandez

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## PROFESSIONAL EXPERIENCE

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### Freelance Projects

*Remote*

#### *Full Stack Developer*

*2022 - Present*

- Designed and developed a system for a jewelry store to manage users and orders. I was responsible for the entire web application and collaborated with my team on the mobile application for customers.
- Implemented and supported at Topix, a Dominican Republic startup, the migration of a NoCode template-based application to custom code, incorporating authentication and authorization mechanisms in Node.js with OAuth 2.0, JWT, and Zod. Additionally, I integrated AWS services for data persistence and contributed to the front-end using React Native.
- Deployed several servers on Supabase and integrated its real-time services, as well as configured AWS services, including S3 for document storage uploaded by clients.

### Digital Solutions 324 SL

*Spain - Remote*

#### *.NET Developer*

*Oct. 2023 - Dec. 2024*

- Led the modernization of airline applications, migrating them from .NET Framework to .NET 8 to enhance efficiency and ease code maintenance. Implemented CI/CD pipelines for automated deployments using Jenkins and GitHub. Additionally, we followed Scrum methodologies with Jira.
- Designed architectures using Domain-Driven Design (DDD), MVC pattern, and Hexagonal Architecture, strengthening the scalability and robustness of the system. This project was a 3D-based system developed with .NET.

## PROJECTS - *Portfolio: <https://www.saimon.top/>*

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**Jewelry Manager:** A web application with an interface for administrators and another for sales representatives. It also includes a dedicated mobile app for customers. Supabase-PostgreSQL was used for data persistence, and both the server and web application were deployed on Vercel with automated deployment via GitHub.

**E-Commerce:** Developed a robust backend architecture using Express for APIs, integrated payment gateways such as MercadoPago, and used React for the front-end. Implemented SQL databases to optimize information management. This project was designed for a professional weaver looking to expand her online product sales.

**Real-Time System:** Communication platform based on WebSockets with Express, using the MVC pattern and SQLite as the database.

**Billing Platform:** Designed a modular billing system to facilitate employee operations in a local company.

## EDUCATION

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### UNAD University

*Colombia*

#### *Systems Engineering*

*2022 - 2025*

- Diploma in Data Science for Industry with Python.

## CERTIFICATIONS

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**TalentoTech & Sergio Arboleda University Diploma:** Specialization in advanced application development with React, JavaScript, Node.js, Java, and Spring Boot, demonstrating versatility in multiple technologies.

**Platzi Courses:** *Software Engineering* (Clean Code, Software Architecture, Event-Driven Systems) and *Security and DevOps* (IT Security, Docker & Kubernetes, CI/CD), strengthening competencies in software engineering and security.

## TECHNICAL SKILLS

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**Programming Languages:** JavaScript/TypeScript, C#, Python, SQL.

**Frameworks and Libraries:** React, React Native, Next.js, Express, .NET, HTML/CSS.

**Architectures:** MVC, Microservices, Hexagonal.

**Databases:** PostgreSQL, MongoDB, MySQL, SQLite.

**Tools:** Docker, Kubernetes, Git, CI/CD, Cloud Platforms (AWS, Supabase...).

**Languages:** Spanish (Native), English (B2).