

Agustin Hernandez Serpa

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Professional Summary

Fullstack Developer with experience designing, building, and maintaining scalable web applications, with a strong focus on backend architecture and service integration. Proficient in technologies such as **NestJS**, **Next.js**, **React**, and **Spring Boot**, as well as relational databases including **PostgreSQL** and **SQL Server**.

Experienced in developing REST APIs, integrating third-party services (Twilio, SendGrid, GoHighLevel), and supporting production systems through debugging, migrations, and performance improvements.

Recognized for strong problem-solving skills, technical judgment, and collaborative mindset, with a consistent focus on delivering reliable and scalable solutions in dynamic environments such as healthtech, customer support systems, and digital media platforms.

Technical Skills

Languages: JavaScript, TypeScript, Java, Python, PHP

Backend: NestJS, Spring Boot, Node.js, REST APIs, service-oriented architecture

Frontend: React, Next.js

Databases: PostgreSQL, SQL Server, MySQL, Redis, MongoDB, Firebase

ORM / Data Access: Prisma, TypeORM

Tools & Platforms: Git, Dokploy, Electron, Expo, deployment workflows, technical documentation

Integrations: Twilio, SendGrid, GoHighLevel (GHL)

Methodologies: Scrum, agile development, incident resolution, cross-functional collaboration

Professional Experience

Lead Fullstack Developer – La Nota Digital

Monteria, Colombia

Dec 2025 – Feb 2026

On-site

- Led the technical development of a web platform focused on digital journalism.
- Designed and implemented the backend architecture using **NestJS**.
- Managed deployment and production setup using **Dokploy**.
- Mentored junior developers in React development, debugging processes, and best practices.
- Delivered a fully functional platform adopted by the media organization.
- Improved the technical capabilities of **2 developers** through hands-on training and guidance.

Fullstack Developer – Axias Media

Remote

Jan 2025 – Present

- Developed modern web interfaces using **React** and **Next.js** to enhance product and brand presence.
- Built and maintained backend services for applications in **healthcare** and **customer support** domains.
- Participated in debugging, maintenance, and performance optimization of production systems.
- Integrated third-party services such as **Twilio**, **SendGrid**, and **GoHighLevel** for communication automation.
- Supported database migration processes and data import structuring.
- Contributed to AI-driven automation solutions for handling unattended customer calls.
- Played a key role in improving **scalability**, **system reliability**, and **user experience**.

Programming Tutor – Unitareas Ibague

Remote

Sep 2021 – Jul 2024

- Provided programming tutoring in **Java, C#, Python, PHP, and MySQL**.
- Delivered virtual sessions on **data structures, algorithms, and programming paradigms**.
- Assisted students in solving technical and academic challenges, strengthening analytical thinking and implementation skills.

Education

B.Sc. in Systems Engineering

Apr 2019 – Oct 2024

University of Cordoba – Monteria, Colombia

Certifications

- Cloud-Oriented Web Application Development Diploma – University of Cordoba (2024)
- SQL (Intermediate) Certificate – HackerRank (2024)
- NoSQL Database Implementation – SENA (2023)
- International Systems Engineering Congress (CIIS 2023)
- Spring Boot Fundamentals – Platzi (2022)
- Scrum Professional Course – Platzi (2022)
- SQL and MySQL Course – Platzi (2022)

Professional Skills

Teamwork, effective communication, problem-solving, critical thinking, empathy, collaborative leadership, constructive feedback, continuous learning.

Languages

- Spanish – Native
- English – Conversational

Keywords

Fullstack Developer, Backend Developer, Software Engineer, NestJS, Next.js, React, Spring Boot, Node.js, TypeScript, JavaScript, Java, PostgreSQL, SQL Server, MySQL, Redis, Prisma, TypeORM, REST API, Twilio, SendGrid, GoHighLevel, deployment, debugging, scalability, backend architecture, database migration, technical documentation, healthtech, customer support systems, agile, Scrum.