

# Germán González Garzón

## Software Engineer

**4+ years of experience** developing high-quality applications in frontend (*React*, *Next.js*, *Angular*) and backend (*Node.js*, *Java*), with additional expertise in Big Data projects using *Spark* and *Scala* to drive efficient data processing.

I specialize in designing scalable full-stack applications and optimizing data processes for enhanced performance.

Passionate about tech innovation. Always ready to take on new challenges and absorb all the knowledge I can!

## Experience

### Software Engineer at Santander Consumer Global Services March 2023 - Present

As a software engineer in a small, four-person agile team, I design and develop end-to-end B2B solutions using *JavaScript* technologies.

On the frontend, I work with *React*, building intuitive features and using *GraphQL* for efficient communication with the backend.

On the backend, I work with *Node.js*, creating new APIs to connect with all our service providers while managing databases like *MongoDB* and *PostgreSQL* to ensure efficient data storage, scalability, and performance optimization. I also oversee the entire software lifecycle, from initial design to production deployment, including mobile applications.

A key part of my role involves building multi-tenant systems and customizing solutions for specific countries (tenants) to ensure compliance with local regulations.

### Data Developer at Scalian April 2022 - March 2023

I specialized in managing large datasets from a bank institution, with a particular emphasis on profits and losses. I worked with custom company software built on top of *Spark* using *Scala* to streamline data processing.

My main responsibility was ensuring the smooth execution of both daily batch processes and real-time streaming operations. This involved quickly resolving issues that arose, ensuring critical tasks ran without disruption.

One of my key achievements was leading the migration from *Spark 1.6* to *Spark 2.4*.

I spearheaded the migration process, driving extensive research and collaboration to ensure its success. As a result, we saw a 20% improvement in data ingestion efficiency.

### Frontend Developer at Capgemini Feb. 2021 - Dec. 2021

My primary responsibility was developing exceptional user experiences using *Angular*, *React*, and *Next.js*.

I played a key role in enhancing the company's online visibility and reach. One of the challenges I faced was managing a hybrid application with both *Angular* and *React* pages. As the company transitioned to *React*, I was responsible for building new components from scratch while simultaneously maintaining existing *Angular* pages.

A major highlight of my role was being a vital part of a three-person team entrusted with the successful execution of a comprehensive redesign of the company's homepage using *React*.

### Backend Developer Intern at Babel Dec. 2019 - March 2020

This experience marked my introduction to the dynamic world of coding. I eagerly took on my first tasks using *Java* and *Spring framework*, gaining hands-on experience in backend development. My primary role was to develop Key Performance Indicators (KPIs) to track seat availability and utilization for a travel agency, enhancing booking efficiency and optimizing resource allocation.

## Education

### Software Engineering at Universidad Politécnica de Madrid (ETSISI-UPM)

Sept. 2016 - July 2020  
(Madrid - Spain)

## Languages

- **English:** Professional
- **Spanish:** Native

## Skills

React	Node.js
Angular	GraphQL
HTML, CSS, JS	Java
Git	Spring
PostgreSQL	MongoDB
Python	Scala
Spark	CI/CD