



Pedro Torres

Tech Lead / IT Instructor

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Experience

Software Engineer

● Tech Lead

ING Group

Amsterdam, Netherlands

July 2023 - Present

Re-engineered core application components to transform our product into an interactive graph-based system, allowing users to explore data flexibly instead of being constrained by predefined queries.

Delivered proof of concepts and collaborated with stakeholders to refine product vision, driving value creation for the company and its IT landscape.

Overhauled the API architecture to address scalability challenges, enabling the application to handle increasing demands efficiently.

Provided training sessions to team members, offering technical guidance with React and Neo4j.

● Full Stack Engineer

ING Group

Amsterdam, Netherlands

July 2022 - July 2023

Rebuilt a legacy application's frontend from scratch while improving performance by redesigning the API architecture, dividing query responsibilities across multiple services for better scalability.

Identified opportunities for refactoring within the React application, migrating from JavaScript to TypeScript for enhanced reliability and maintainability, and adopting React Query for improved data fetching.

Trained and supported a newly-formed React team, providing comprehensive documentation and patterns inspired by the "Tao of React," which accelerated their contributions to development efforts.

● Full Stack Engineer

Portuguese National Health System

Porto, Portugal

May 2020 - July 2022

Developed critical modules for the TraceCovid system, enabling tracking of COVID-19 cases.

Delivered features that enabled the successful digitalization of the medication prescription workflow and result availability, which now handles 92% of all prescriptions registered in Portugal.

● Software Consultant

Datamonplus

Porto, Portugal

November 2019 - May 2020

Conducted requirement analysis and delivered on-site user training for a management software solution.

Managed software installations and provided technical support to 22 textile companies across Portugal.

Entrepreneur

● Founder

Engitex

January 2024 - Present

Developed from scratch a SaaS platform tailored for textile companies to manage orders, assist in formula creation for dyeing processes, and minimize human error, contributing to environmental sustainability.

Designed the application architecture and implemented the technology stack with Next.js, NestJS, and PostgreSQL. Secured pilot implementations with two textile companies, each with over 100 employees.

Awarded the Startup Voucher for its mission to reduce errors and pollution in the textile industry.

Education

● BSc in Computer Engineering

Vilnius Gediminas Technical University (Erasmus)

September 2018 - January 2019

● Bachelor's Degree in Informatics Engineering

Polytechnic Institute of Porto

September 2014 - September 2019

Technical Skills

React TypeScript Next.js Node.js NestJS JavaScript Java Python
GraphQL PostgreSQL MySQL Neo4j Cypress Docker Airflow Ansible

Languages

English • Fluent
Spanish • Fluent
Portuguese • Native