

# Bruno Miguel

## Frontend Engineer

I'm a Software Engineer specialized in Frontend Web Development, based in Porto, Portugal. With over 2 years of professional experience, I pair excellent technical knowledge with communication and teamwork. I focus on adaptability; if I don't know it, I can learn it.



Bmiguelpro@outlook.com

Porto, Portugal

bmigueldev.github.io/brunomiguel

linkedin.com/in/miguel-bruno

github.com/BMiguelDev

## WORK EXPERIENCE

### Intermediate Full Stack Engineer Controlar - Innovating Industry

03/2025 - Present

#### Achievements/Tasks

- Directed the entire project management lifecycle, from requirements engineering and system architecture to planning, implementation, and deployment of frontend and backend applications. Collaborated with cross-functional teams to meet business goals and user requirements.
- Implemented a reusable TypeScript React library — deployed across all internal applications to improve code scalability and accelerate feature development — including customizable UI components with full accessibility support and a ready-to-integrate JWT authentication module.
- Planned and supervised internship programs, including documentation, overseeing technical tasks, and mentoring to improve intern skills.

### Junior Full Stack Engineer Controlar - Innovating Industry

03/2024 - 02/2025

#### Achievements

- As part of an Agile web development team, architected and implemented a resource management application using TypeScript and React, providing real-time search and visualization of project and equipment data through dynamic dashboards and charts. Developed interactive components to automate tasks, provide CRUD functionalities for complex resources, and compute valuable business KPIs. Achieved a centralized tool adopted company-wide, increasing user engagement by 62% and reducing manual work.
- Designed and implemented two central backend REST APIs using Node.js and Flask (Python), fostering the adoption of a Model-View-Controller architecture, and leading to the migration of all existing backend services into centralized APIs, resulting in an upgraded modular infrastructure.
- Modeled SQL databases and upgraded existing operations with optimized queries, views, and stored procedures. Integrated them with backend REST API endpoints for data retrieval and CRUD operations, resulting in 8x faster query performance.

### Data Science Researcher University of Porto

11/2020 - 09/2021

#### Achievements

- Implemented web scraping and data retrieval using Python.
- Studied the impact of several factors in web search engine results at the Information Systems Research Group at DEI/FEUP.
- Published dissertation thesis "Mutability of Web Search Engines Results - Data Collection and Brief Analysis", along with structured datasets to aid future investigations.

### Full Stack Developer EFACEC / University of Porto

02/2020 - 07/2020

#### Achievements

- As part of an Agile web development team, implemented an application using React, Node.js, and SQL, to search and display real-time public transportation information using data from EFACEC's "TimeKeeper" system.

## SKILLS



## EDUCATION

### B.S. and M.S. in Informatics and Computing Engineering

Faculty of Engineering of the University of Porto (FEUP)

09/2015 - 09/2021

### High School Diploma in Science and Technology

High School of Boavista

09/2012 - 07/2015

## CERTIFICATIONS AND COURSES

### NextJS 15 Course

Maximilian Schwarzmüller (Udemy)

10/2025 - Present

### Redux Toolkit and Node.js Courses

Dave Gray

05/2023 - 09/2023

### React Course

Bob Ziroll (Coursera)

08/2022