



Bruno Ferreira

I'm someone who's deeply passionate about growth and learning, constantly seeking out challenges and opportunities to develop myself. Alongside this journey, I find immense joy in meeting new people and forging meaningful connections. For me, the ultimate goal in life is to strike a harmonious balance between pursuing my dreams and savoring life's simple pleasures with the ones I hold dear.

EXPERIENCE

AI/ML Learning Journey and Blogging

Started learning about Artificial Intelligence and Machine Learning some time ago with a focus on practical applications. Currently, I'm enrolled in the fast.ai course, where I'm diving deep into the latest AI techniques.

In parallel, I'm sharing my learning journey on my website's blog. I write about what I'm learning, the challenges I face, and the solutions I discover. This helps me solidify my understanding while also helping others who are on a similar learning path.

By learning and blogging, I'm not only improving my skills but also making the AI/ML journey more accessible for others who are just starting out.

Done.

Throughout the development of the Done project, I encountered various challenges and gained valuable insights into full-stack development. One significant decision I made early on was transitioning from a NoSQL database to a SQL database. This shift presented its own set of challenges, requiring me to refactor my backend architecture to accommodate the new database structure effectively.

One of the major accomplishments of the project was implementing a robust backend with a SQL database. This involved creating a RESTful API that the frontend communicates with, enabling seamless interaction between the user interface and the database. Utilizing tools like Postman allowed me to test and validate the functionality of my API, ensuring its reliability and efficiency.

Mastering SQL was crucial in managing the database efficiently. I learned to design, normalize and optimize database schemas, perform CRUD operations, manage data integrity, and utilize advanced features such as indexes and query optimization. Additionally, I gained proficiency in generating various types of reports and exporting data to different file formats, including Excel, Word, HTML emails, and plain text.

Security was another vital aspect of the project. I delved into authentication mechanisms and security practices to safeguard user data. Understanding concepts like white-hat hacking, SQL injection, cross-site attacks, and phishing helped me implement robust security measures to protect against potential vulnerabilities.

Version control using Git enabled me to manage my source code efficiently, facilitating collaboration and tracking changes throughout the development lifecycle.

While I have a basic understanding of Continuous Integration/Continuous Deployment (CI/CD) pipelines, I recognize their importance in automating the software delivery process.

In summary, the Done project was not just about building a task management application but also about personal growth and skill development. It challenged me to tackle complex problems, embrace new technologies, and adopt best practices in software development, ultimately refining my capabilities as a full-stack developer.

Junifeup - Brand and Communication Department

2022 – 2023

My role as Design Member within JuniFEUP involved utilizing design tools such as Figma, Photoshop, and Canva to create visually stunning and user-friendly websites and apps. I also have a background in video editing and social media content creation, which made me well-suited for crafting cohesive and effective digital experiences. I was responsible for designing and implementing digital projects that met the needs of both clients and users, playing a key role in the overall success of the projects and also for managing social media, marketing and data analytics. Furthermore, I've gone beyond my responsibilities as a designer and did some work as a frontend and backend developer.

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🌐 <https://github.com/brunomgferreira>

EDUCATION

● Faculdade De Engenharia do Porto

Bachelor in Informatics and
Computing Engineering

● Essential Project Management

APGEI

SKILLS

- Management Skills
- Critical Thinking
- Communication Skills
- Fast Learner
- Python
- C++
- Java
- SQL
- NoSQL
- PHP
- JavaScript
- Node.js
- React
- REST API
- Unit testing

INTEREST

- Football
- Sports
- Motorsport
- Music
- Books