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EDUCATION

- **Faculdade De Engenharia do Porto**
  Bachelor in Informatics and Computing Engineering

SKILLS

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

INTEREST

- Football
- Sports
- Motorsport
- Music
- Books

Bruno Ferreira
Full-Stack Developer

PROFILE

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

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. Moreover, I gained insight into encryption techniques and basic PCI compliance requirements, enhancing the overall security posture of the application.

Writing and executing unit tests became an integral part of my development process. I learned to create comprehensive test suites to validate the functionality of my code and ensure its reliability across different scenarios. 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. Similarly, containerization with Docker emerged as a concept I explored, understanding its potential for simplifying deployment and scalability.

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.