- J O R G E   F I L H O -

Full Stack Developer
TypeScript | REACT.js | REACT Native | NODE.js | Express.js | SQL | Python | PHP

Braga, 4710-360 • (+351) 927121725 • biojorge96@gmail.com

https://www.linkedin.com/in/jorge-sousa-filho/

https://jorgesousafilho.pt/

https://github.com/BioJorge

Dynamic Full-Stack Developer with a proven track record of leading, managing, and executing comprehensive web development projects, including sophisticated applications for banking entities. With almost 2 years of experience, I have honed my skills in both front-end and back-end technologies. My expertise includes effective communication and client management, ensuring clear understanding and alignment with client needs. I adeptly oversee the project lifecycle from conception to deployment, adhering to software creation standards while meeting client expectations. Additionally, I possess the proficiency to develop complete software solutions, from front-end user interfaces to back-end systems and server deployment, ensuring a seamless, end-to-end development process.

Key Expertise:

- **Coding Languages:** TypeScript, JavaScript, PHP, Java, Python, C
- **Frameworks/Systems:** React.js, React Native, Node.js, Express.js, MSSQL, MySQL, SQLite, Tailwind CSS, Bootstrap, Flask, jQuery, Git, MVC, Docker, NGINX, Apache, Jest.
- **Soft skills:** adaptability, attention to detail, problem-solving, creativity, work ethic, interpersonal skills, leadership, resilience, clean code practices.
- **Languages:** Portuguese (native), English (fluent), Spanish (basic)
- Experienced in leading and executing end-to-end development of complex applications, particularly for the banking and commercial sector, adhering to rigorous security and compliance requirements.
- Skilled in client and project management, adept at liaising with stakeholders to translate their needs into high-performing technical solutions.
- Proven ability to lead cross-functional teams, fostering collaboration and innovation to meet project deadlines and objectives.
- Dedicated to continuous improvement and staying abreast of the latest industry trends and technologies.

Inodev, Lisbon • Full Stack Developer   08/2023 - Present

As a Full-Stack Developer at Inodev, I specialize in crafting cutting-edge applications using a suite of prominent technologies. In recent projects:

- **Financial Client Application:** Led the development of a robust banking sector solution for managing customer impairments, utilizing React.js and MSSQL for data processing. Employed Express.js to create a seamless backend API serving the frontend. The application generates compliance-specific reports in PDF, XLSX, and TXT formats, including the specialized PCR format mandated by Portuguese regulations.
- **Market Analysis Tool:** Leading the development of a Market Analysis Tool, I'm crafting an application that automates market reports by scraping data from Portuguese governmental websites. Leveraging Flask and Express.js for backend operations, I integrate Large Language Model (LLM) and Microsoft Graph APIs for dynamic text generation, streamlining market research. The frontend, built with React.js and Tailwind CSS, ensures an intuitive user experience.
- **Sales Company Mobile Apps:** I developed two Android applications for a sales company using TypeScript, React Native, and SQLite. These applications were designed to maintain the continuity of sales operations regardless of internet connectivity, through a robust asynchronous data synchronization mechanism and transaction queuing system. This queuing system was implemented for both server-to-client and client-to-server data flows. The field distribution app allows for tablet-based sales updates, managing shopping carts, and synchronizing the database both online and offline. Additionally, I integrated the Primavera API to streamline the invoicing process. The in-store app supports sales operations, stock management, and cash auditing. For backend operations, I utilized Express.js and Socket.IO with MSSQL, ensuring robustness and efficiency. This project was implemented on an international scale. I was on-site to assist with the software deployment, ensuring smooth implementation and providing necessary support.

University of Aveiro (CLLC), Aveiro • Web Developer Freelancer   06/2023 - 07/2023

In my capacity as a Freelance Full-Stack Web Developer at the Center for Languages, Literatures, and Cultures (CLLC) at the University of Aveiro, I skillfully managed the multifaceted demands of web development, balancing both technical execution and strategic vision. My role was pivotal in developing the website https://joane.estudosculturais.com/, which served as a key digital platform for the inaugural JONAE, 'Jornadas de Antropologia e Estudos Culturais: Interseções e Potencialidades. Backend operations were powered by PHP and MySQL, while frontend used plain CSS and JavaScript.

University of Minho, Braga • Scientific Investigator   01/2021 - 01/2023

As a dedicated full-time research member, I significantly contributed to the R&D project "Sporob_SiA: Elucidation of the role of sialidase-1 in the severity of feline sporotrichosis caused by Sporothrix brasiliensis" (Ref. 2022.03348.PTDC). During this project, I showcased a multitude of essential soft skills, including adaptability, problem-solving, creativity, work ethic, interpersonal skills, leadership, resilience, and communication.

EDUCATION

PgD in Software Engineering • Descomplica, Brazil   08/2023 – Present

I am currently enhancing my software engineering expertise through a Postgraduate Diploma at Descomplica, acquiring specialized skills for software development and IT project management. My studies focus on:

- Software Development Methodologies: Gaining insights into frameworks to improve development efficiency and product quality.
- Advanced Project Management: Learning to manage complex projects with advanced project management strategies.
- Software Interface Design: Studying Design Thinking, UX, and Agile methodologies to craft user-centric interfaces.
- BI and Big Data Architecture: Understanding the structures that underpin BI and Big Data for effective solution implementation.
- Data Analysis and Decision Making: Developing analytical skills for strategic decision-making based on BI insights.
- Cloud Development Platforms: Enhancing my capability with cloud technologies for scalable software development.
- Data Architecture and Modeling: Deepening knowledge in organizing and optimizing data for performance.

This program is a crucial step in my journey, equipping me with the necessary skills to lead in the software engineering field.

Web Development Course • Codemaster, Portugal   09/2022 - 05/2023

An intensive web development program that covered front-end and back-end technologies, including HTML, CSS, JavaScript, PHP, Bootstrap, and database management with MySQL. This course emphasizes practical, hands-on learning to build responsive and dynamic websites and applications, enhancing my full-stack development capabilities.

MSc in Health Sciences • University of Minho, Braga   09/2020 - 01/2023

A master's degree that provides an interdisciplinary approach to health sciences, integrating knowledge from biomedical, technological, and social sciences. This program equips me with a comprehensive understanding of health-related challenges and solutions, offering a unique perspective on applying technology within the healthcare sector.