BERNARDO SILVA

Software Engineer

Britiande - Lamego, Portugal

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LinkedIn | GitHub | Website

PROFILE

Software Engineer with a degree in Computer Engineering and Telecommunications, specializing in Front-End (Web & Mobile). Currently at EUC Inovação, I lead Web projects and develop mobile interfaces using React Native, uniquely combining a passion for Design with solid technical knowledge of Networks and Communication Protocols.

I am a professional focused on building digital experiences that are intuitive, functional, and visually engaging, with a strong commitment to detail, performance, and usability.

PROFESSIONAL EXPERIENCE

Software Engineer | November 2025 – Present

EUC INOVAÇÃO PORTUGAL, UNIPESSOAL, LDA. - Porto, Portugal (Hybrid)

- Mobile Front-End & UI (React Native): Developed dynamic mobile interfaces using React Native (TypeScript), translating high-fidelity Figma prototypes into Pixel-Perfect code. Engineered reusable components and managed app navigation and user experience (UX) flows.
- Backend Implementation & Integration: Implemented business logic and REST APIs using Python (Flask), adhering to technical specifications and pre-defined SQL schemas. Integrated the application with Microsoft Azure Cloud databases to ensure secure retrieval and storage of clinical data.
- Web Development: Created and maintained institutional websites (HTML5/CSS3/Bootstrap & Wix), ensuring full responsiveness, SEO optimization, and consistency with the brand's visual identity.

EDUCATION

BSc in Computer and Telecommunications Engineering | October 2022 – July 2025

Instituto Politécnico de Viseu - Escola Superior de Tecnologia e Gestão de Lamego (ESTGL)

CERTIFICATIONS

- 5G and Wireless Technologies | 2026 - NAU Platform
- Web Servers (IIS, Apache and Nginx) | 2025 - Recode & CDI Portugal
- Front-End Development With HTML, CSS, JavaScript and Bootstrap | 2025 - Recode & CDI Portugal
- Junior Cybersecurity Analyst Career Path | 2025 - Cisco Networking Academy
- Network Technician Career Path | 2025 - Cisco Networking Academy
- Boost Your Productivity with Artificial Intelligence | 2025 - APDC & Google Portugal

ACADEMIC PROJECTS

AI-Powered Mobile App (Final Year Project) | React Native, TypeScript, Gemini API, Firebase

- Developed an inventory management app, integrating the Gemini (Google AI) API for image recognition and Firebase for user authentication, achieving over 99% accuracy and reducing manual entry time by 95%.

Personal Website / Digital Portfolio | HTML5, CSS3, JavaScript, Bootstrap, Chart.js

- Created a 100% responsive portfolio (Bootstrap) with interactive JavaScript features (Dark Mode, Chart.js) and a strong focus on UX.

Distributed Calculator with Docker (Distributed Systems) | Docker, Java, UDP, PHP, HTML, CSS

- Implemented a client-server Calculator (Java/PHP) in Docker containers, featuring UDP communication and automated deployment.

TECHNICAL SKILLS

- Programming Languages: C, C++, C#, Java, Python, JavaScript, TypeScript, SQL
- Web Development: HTML5, CSS3, REST APIs
- Frameworks & Libraries: React Native, Expo, Bootstrap, Chart.js
- Tools: Git, Docker, PostgreSQL, Linux, MS-DOS, Firebase, Figma, AutoCAD, CADited/itur, Adobe Photoshop/Premiere Pro
- Knowledge Areas: Computer Networks, Digital Logic, ITED Telecommunications

LANGUAGES

Portuguese: Native

English: B2 (Upper-Intermediate)

Spanish: B2 (Upper-Intermediate)