David Henriques Figueiredo

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EXPERIENCE

UDDAN   **Castelo Branco, Portugal . Remote**
Junior Software Developer   *Nov 2021 - Present*

- **Private Portal:** Helped develop a full-stack client-facing Private Portal for a major Portuguese insurance company using OutSystems for rapid application development and Python for API integration and testing, enhancing user experience, system interoperability, analytics and security.
  - Technologies: Outsystems 11 Reactive, Azure DevOps, Python 3.12, REST and SOAP APIs
- **Energy Rebate Program:** Contributed to the development of a state-funded Energy Rebate Program for Montana, enabling residents to apply for installation and renewal of energy-efficient household items, with a focus on streamlining workflows, ensuring regulatory compliance, and maximizing accessibility for end users.
  - Technologies: Outsystems 11 Reactive, Jira
- **AI app Development and Deployment:** Voice-to-text SaaS used to parse voice recordings into data entries. Sole developer, responsible for the implementation, deployment and maintenance.
  - Technologies: FastAPI, PostgreSQL, Docker, whisper, spaCy
- **Invoice and Debt Management**: Maintained and extended a backend engine for invoice and debt management in a private hospital group, responsible for automating debt collection workflows, client communication, and ensuring reliable integration with financial systems to support ongoing operational efficiency and compliance.
  - Technologies: Outsystems 10 (Traditional, Mobile), Trello, Confluence, Azure DevOps, REST and SOAP APIs.

Freelance   **Porto, Portugal . Remote**
Software developer   *May 2024 - Present*

- **Technical Support and Deployment:** AI-driven internal web app, used to accelerate image description for high-end retail departments, using Image-to-Text models and LLMs. Responsible for deployment integrations and support.
  - Technologies: Flask, HuggingFace, Ubuntu Server.

                                               Madrid, Spain . Remote
Software developer   *Mar 2024 - Sep 2024*

- **Managed integrations and Deployment**: Developed and maintained an intermediary shipping application connecting logistics operators with end users and businesses across Europe and South America, responsible for implementing integrations, core business logic, and ongoing system maintenance.
  - Technologies: FastAPI, AWS Lambda, AWS CloudWatch, Outsystems 11 Reactive, REST and SOAP APIs.

EDUCATION

Instituto Politécnico de Castelo Branco   **Castelo Branco**
Bachelor of Computer Science   *2016 - 2025*

- **Thesis:** Aligning Software Engineering Teaching Strategies and Practices with Industrial Needs

CERTIFICATES

Machine Learning Specialization - Stanford University, DeepLearning.AI, Coursera, 2024-04
Machine Learning with Python - IBM Coursera, 2023-11
Scientific Computing with Python - freeCodeCamp, 2023-06
Associate Developer (ODC) - Outsystems, 2023-06
Associate Reactive Developer (Outsystems 11) - Outsystems, 2021-11