Alexandre Pais

Data & AI Consultant · Data Engineer

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Open to remote or hybrid roles in Asia with possibility of relocation

Professional Summary

Data and AI consultant who builds analytics, automation and big-data solutions on Azure, Power BI, Microsoft Fabric and Databricks. I optimized a Python data-collection scraper from 20 minutes to 2 minutes with parallel workers and retry logic, migrated enterprise Power BI dashboards to SharePoint, and previously engineered fraud-analytics dashboards and Slack-integrated reporting pipelines on Databricks and Scala. BSc in Computer Science & Engineering (2026), one semester at Macao Polytechnic Institute, fluent in English.

Professional Experience

Data Analytics & AI Consultant · Noesis

Jul 2026 – Present

- Deliver reporting, analytics and automation solutions on client projects, currently embedded with a client team and working alongside a Senior Consultant.
- Built a Python web scraper that collects every medicine code and its run-out date from the Infarmed website and loads the results automatically into a database.
- Optimized the scraper with parallel workers plus fallback and retry logic, cutting the full run from 20 minutes to 2 minutes (90% faster).
- Migrated a client's Power BI dashboards from a local file-based setup to SharePoint, so reports and source files now live online in one central place.

Technologies: Python, Microsoft Azure, Power BI, Microsoft Fabric, SharePoint

Game Developer · Overflow Interactive

Oct 2025 – Feb 2026

- Engineered a modular C# system with decoupled architecture, so reward logic scales and is easy to customize.
- Built state-driven gameplay logic in Unity, using animation state machines and clear separation of concerns.

Technologies: Unity, C#, GitHub, Confluence

AR/VR Developer · Arsenal do Alfeite S.A.

Mar 2023 – Aug 2023

- Developed a navigation simulation integrated with Node-RED to validate real-time data communication and message brokering between simulated environments and external controllers.
- Served as technical lead for live demos to key partners and clients, including the Portuguese Navy, Vodafone and Oracle.

Technologies: Unity, C#, Node-RED, GitHub, Xcode

Data Engineer · Fraudio B.V.

Sep 2020 – Apr 2022

- Built and managed large-scale analytics dashboards on Databricks using Scala, for real-time visualization and fraud pattern analysis.
- Benchmarked data storage technologies (MongoDB, Redis and others) to improve query latency and scalability.
- Automated reporting pipelines by integrating Databricks with the Slack API, speeding up incident response and team communication.
- Worked in an agile DevOps environment, supporting the reliability of distributed data processing.

Technologies: Databricks, Scala, Python (Pandas), SQL, MongoDB, Redis, YCSB

Web Developer

Mar 2020 – Jun 2020

- Designed relational schemas in MySQL, keeping data consistent and queries fast.
- Turned business requirements into working web features for corporate clients.

Technologies: HTML, CSS, JavaScript, PHP, MySQL

Core Skills

- **Cloud & BI:** Microsoft Azure, Microsoft Fabric, Power BI, SharePoint, Databricks
- **Programming & Data:** Python (Pandas, web scraping), SQL, Scala
- **Databases:** MongoDB, Redis, MySQL
- **Automation & Integration:** parallel processing, retry and fallback design, Slack API, Node-RED
- **Tools & Practices:** GitHub, Confluence, agile and DevOps workflows

Education

BSc in Computer Science & Engineering · Polytechnic Institute of Setúbal (IPS) · 2023 – 2026

Academic Mobility Program · Macao Polytechnic Institute · 2025

One-semester exchange in Macao to complete remaining courses.

Higher Professional Technical Course (CTeSP), Game Development & Multimedia · Polytechnic Institute of Setúbal (IPS) · 2021 – 2023

Vocational Technical Course, IT Systems Management & Programming · Escola Secundária de Cacilhas-Tejo · 2017 – 2020

Languages

Language	Level	Understanding	Speaking	Writing
Portuguese	Native	C2	C2	C2
English	Fluent	C2	C1	C1
Spanish	Basic	A2	A2	A2