

# João Amaral

## Data Engineer




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## Professional Summary

Data Engineer with over 6 years of experience in data-driven environments, focused on SQL development, ETL/ELT processing, and Oracle-based systems. Adept at designing and optimizing data pipelines, managing technical incidents, and supporting business-critical applications in fast-paced environments.

Currently expanding Python-based workflow automation and backend data integration skills. Known for delivering robust data solutions and maintaining strong communication with cross-functional IT and business teams.

## Experience

### Mobileum (formerly WeDo Technologies)

Data Engineer / Functional Analyst — 2018 -2024

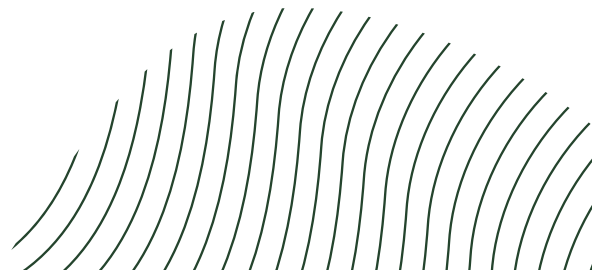
- Developed and optimized 20+ ETL data flows using Oracle SQL and RAID for sales commission and incentive platforms at NOS and Vodafone among others.
- Collaborated closely with technical teams and business analysts to define data models and interfaces.
- Led data validation, query optimization, and performance tuning to ensure system reliability and data accuracy.
- Maintained and updated technical documentation, dashboards, and user manuals for deployed solutions.
- Participated in multiple data migration projects and version upgrades.
- Supported production issues by debugging logic errors and implementing long-term resolution strategies.

## Education

### Bachelor's Degree in Electronic, Telecommunications, and Computer Engineering

*Graduated 2018*

Instituto Superior de Engenharia de Lisboa



## Courses & Certifications

- **100 Days of Code: Python Pro Bootcamp – Udemu (2024)**
- **The Complete 2023 Web Development Bootcamp – Udemu (2024)**
- **Project Management: Beginner to PM – Udemu (2025)**

## Technical Skills

- **SQL:** Advanced (Oracle, Postgres)
- **Python:** Intermediate (pandas, NumPy, data parsing)
- **ETL/ELT:** RAID (low-code), Python-based pipelines
- **Tools:** Bitbucket, Git, Jira, Excel, Linux Bash
- **Data Modeling:** Business rule mapping, validation logic
- **Documentation & Support:** Requirements analysis, functional specs, user guides

## Languages

- *Portuguese – Native*
- *English – Fluent (Professional use: meetings, documentation, presentations)*

## Soft Skills

- Strong analytical and problem-solving mindset
- Clear communicator with technical and non-technical teams
- Detail-oriented and methodical in documentation and process validation
- Comfortable handling incident support and change requests
- Adaptable, self-driven, and proactive in learning new tools

