Manuel Correia

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Summary

ETL Developer with 3+ years of experience designing and optimizing data pipelines using Informatica PowerCenter and UNIX with Korn Shell. Proven track record in automating workflows, resolving critical incidents, and collaborating with global teams (France, China, UK and more). Combines a business degree with technical expertise to bridge data engineering and business needs.

Experience

Aubay | Lisbon
ETL Informatica PowerCenter Developer | 03/2022 - Present
Axa Group Operations (External Consultant):

- **ETL & Data Engineering for Global Operations:**
  Designed, developed, and optimized ETL processes using Informatica PowerCenter to integrate and transform large datasets efficiently. Ensured compliance with business requirements, continuously updating existing processes to meet evolving needs. Worked with teams across France, China, United Kingdom, Ireland, Switzerland, Spain, etc.
- **Scripting & Process Automation:** Created and maintained Korn Shell scripts to automate tasks, improving workflow efficiency and system performance. Maintained scripts to automate Excel VBA reporting, reducing manual work. And developed SQL queries to automate monthly reports.
- **Incident Management & Troubleshooting:** Led critical incident resolution efforts, quickly identifying root causes and implementing solutions to minimize downtime.
- **Documentation & Knowledge Sharing:** Developed comprehensive documentation for ETL processes, enabling efficient knowledge transfer and future system maintenance.
- **Could & On-Premises Data Transfers:** Managed and optimized server connections across multiple machines, ensuring minimal incidents in data transfer. Using technologies like UDM with AWS and Azure.
- **Quality Assurance & Testing:** Conducted rigorous testing to identify and resolve potential bugs before deployment. Collaborated with external teams to define testing requirements and deliver error-free solutions.
- **Monitoring of Informatica PowerCenter Processes:** Regularly monitored Informatica PowerCenter ETL processes to ensure smooth data flow, identifying potential bottlenecks, optimizing performance, and ensuring data quality across multiple platforms.
- **Testing of ETL Applications:** Participated in the end-to-end testing of ETL applications to ensure data transformation processes were functioning as expected.
- **Training and Skill Enhancement:** Completed around 300 hours of targeted training to deepen expertise in key technologies such as Informatica PowerCenter, UNIX, and scripting, as well as enhancing problem-solving skills and gaining a broader understanding of data integration best practices.

Certificates

Learning Path - Cloud (Aubay), Introduction to Cloud Infrastructure Technologies LFS151

Skills

Informatica PowerCenter, ETL (Extract Transform Load), Incident Management, Incident Response, SQL, Oracle SQL Developer, Korn Shell, UNIX, Python, VBA, Problem Solving, Communication skills, English, Technical Documentation, Microsoft excel

Education

University of Évora | Remote
Specialization in Computer Engineering | 07/2024
This was a Specialization Degree in Computer Engineering from the Universidade de Évora, completed remotely through online learning.

The program provided a strong foundation in advanced computing topics, with a particular focus on Python and SQL for data-driven applications. The majority of the courses were taught in Portuguese and covered both theoretical and practical aspects

of computer engineering.

- **Neural Networks and Deep Learning** – Study of artificial neural networks, deep learning models, and their applications in various domains.
- **Software Engineering** – Principles and methodologies for software development, including agile practices, design principles, and software lifecycle management.
- **Natural Language Processing (NLP) Systems** – Techniques for processing and analyzing human language, including sentiment analysis, text classification, and language modeling.
- **Computer Systems Security** – Cybersecurity principles, cryptographic methods, and best practices for securing information systems and networks.
- **Data Mining** – Extraction of useful patterns and insights from large datasets using machine learning and statistical techniques.
- **Compression and Codification of Data** – Methods for efficient data storage and transmission, including the advanced mathematical logic behind the process.
- **Data Analysis for Business** – Application of data analytics in business decision-making, covered mostly by a way of approaching data with statistics.
- **Database Technologies** – Advanced database management concepts, including relational databases.

University of Évora | Évora
Bachelor's Business | 07/2021

Manuel was invited to participate in an Accounting Summer Internship, where he was introduced to programming through Excel VBA. This experience sparked his interest in IT and laid the foundation for his future career in technology.

The degree in **Business**, which was taught in Portuguese and provided a strong foundation in business administration, finance, and information systems. The program combined theoretical knowledge with practical applications, preparing students for roles in business analysis, financial management, and corporate strategy.

The curriculum included:

- **Management Information Systems (MIS)** – Understanding the role of information technology in business decision-making, including database management and enterprise systems.
- **Financial Economics** – Analysis of financial markets, risk management, and economic principles affecting business environments.
- **Management Control** – Strategies for monitoring and optimizing business performance, including budgeting, performance measurement, and cost control.
- **Financial Auditing** – Principles and practices of auditing financial statements, ensuring compliance with accounting standards and regulations.
- **Investment Analysis** – Evaluation of investment opportunities, portfolio management, and financial risk assessment.
- **Taxation** – Overview of tax regulations, corporate tax strategies, and the impact of taxation on financial decision-making.
- **Marketing** – Study of consumer behavior, market research, branding strategies, and digital marketing techniques.
- **Management Accounting** – Application of accounting techniques to business decision-making, including cost analysis, pricing strategies, and financial planning.

This degree provided Manuel with a strong analytical and financial background, equipping him with the skills to bridge the gap between business and technology.