

Carlos Paiva

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Data Engineer Intern | Python Developer | Full Stack Developer | AWS Certified

Professional Summary

Data Engineering Intern at Compass.UOL with hands-on experience designing and scaling data pipelines, automating workflows with Python and Docker, and building cloud-based ETL solutions on AWS. Skilled in full stack development (Django/React) and data visualization. Currently upskilling in PySpark and distributed processing. Agile/DevOps practitioner with a strong interest in analytics and big data.

Technical Skills

- **Programming:** Python, SQL, JavaScript, TypeScript, SQL
- **Frameworks:** Django, Flask, React, Node.js, PySpark
- **Databases:** PostgreSQL, MySQL, SQLAlchemy
- **Cloud & DevOps:** AWS (Certified Cloud Practitioner), Docker, CI/CD, Git
- **Data & Visualization:** Pandas, QuickSight, Matplotlib, Seaborn, Tableau

Relevant Projects

Sales Dashboard – Bella Vista Store (Portfolio Project)

Technologies: *Python, Pandas, CSV, Tableau Public, GitHub.*

- Simulated and created a sales dataset (CSV) with 200 records.
- Built a data processing pipeline using Python (Pandas).
- Calculated key business metrics: total sales, average ticket, top-selling products, and weekly comparison
- Designed an interactive dashboard in Tableau Public for visualization and analysis.
- Documented the entire project with visual evidence on GitHub.

Data Pipeline with AWS – End-to-End ETL System

Technologies: *AWS S3, AWS Glue, Athena, Python, QuickSight*

- Designed and implemented a cloud-based ETL pipeline using AWS services.
- Modeled data both relationally and dimensionally, and visualized insights with QuickSight.

Brazilian Amnesty Data Analysis – Public Dataset Project

Technologies: *Python, Pandas, SQL, Matplotlib, Jupyter*

- *Cleaned and analyzed public data from Brazilian amnesty requests, producing actionable insights.*
- *Delivered custom charts and visual summaries to support historical understanding*

Django MyBlog – Tech blog with full CRUD features.

Technologies: *Python, Django, PostgreSQL*

- Built a technical blog supporting complete Create, Read, Update, Delete (CRUD) operations with user authentication and role management.

Natural Products E-commerce Platform

Technologies: *Python, Django, Bootstrap*

- Developed an online sales platform for natural products, featuring catalog, user, and order management, implementing modern UX/UI practices.

Twitter Clone – Social media MVP.

Technologies: *Python, Django, Bootstrap*

- *Created a functional social network prototype with post feeds, user profiles, and interactions, applying scalable design patterns in Django.*

E-Food – Restaurant e-commerce.

Technologies: *React, TypeScript, Redux*

- *Engineered an online ordering system for restaurants with cart functionality, product management, and scalable front-end architecture.*

E-Play – Gaming product showcase.

Technologies: *React, TypeScript, Styled-components*

- Developed a gaming products showcase portal, focusing on performant interfaces and dynamic styling using component-driven design.

Education

- **B.Sc. in Data Science** (Ongoing) | Unicesumar, Brazil - 2024/Present
- **Full Stack Python Developer Certification** | EBAC - 2023/2024
- **AWS Certified Cloud Practitioner** | Issued Aug/2025

Courses

- **Python:** From Basics to Advanced
- **Data Engineering Bootcamp** (DIO / NTT Data)
- **Agile Methods** (Udemy)
- **Git & GitHub** (Udemy)
- **PySpark**(Udemy)
- **Pandas**(Udemy)
- **Complete Web Development**
- **Data Analytics**

Professional Experience

Data Engineering Intern

Compass.UOL | Remote | Mar 2025 – Present

- Designed and maintained scalable data pipelines using Python and SQL.
- Built containerized environments with Docker and Docker Compose for automated workflows.
- Cleaned, transformed, and validated structured and semi-structured datasets (.csv, .json).
- Created data visualizations and exploratory analyses to support decision-making.
- Currently working with AWS (S3, Glue, Athena) for building cloud-based data solutions.
- Learning and applying PySpark to process large-scale datasets in distributed environments.
- Exploring both relational and dimensional modeling techniques for data warehousing use cases.
- Collaborating in an agile environment, following best practices in DevOps and data engineering.

Self-Employed

Part-time Uber Driver and Freelancer | Jan 2023– Present

- Provided customer-focused transportation services with high ratings on the Uber platform.
- Managed online sales of products, including inventory, pricing, and customer support.
- Managed product listings, order handling, and support for an online store.
- Gained client communication, prioritization, and project delivery skills.
- Developed web applications using Django and React for small business needs.

DaTerra Restaurante Vegetariano (Lisbon, Portugal)

Cook (A-Level) | 2/2019 – 08/2021

- Coordinated kitchen operations, inventory, and purchasing.
- Prepared dishes with a focus on presentation and quality.

Brazil Central Express (Goiânia, Brazil)

Position: Administrative Assistant

Duration: 03/2012 – 11/2013

- Organized delivery routes and handled customer service.
- Managed operations using the Texlog system.

Languages

English: B2

French: A2

Spanish: A2