Mario Carvalho

Data engineer with knowledge of Python, SQL, ETL and AWS. Strong desire to solve data problems using technology and soft skills

EXPERIENCE

Stack Technologies, Data engineer

MARCH 2023 - CURRENT, Remote

Development and maintenance of Python crawlers to extract data from multiple sources (csv, PDF, excel, HTML, Json, API), transform data to meet business requirements and load into database (ETL). Over 40 new crawlers and 50 maintenance.

Deployment of new infrastructure (EC2 using Terraform) with Docker and Airflow to reduce cost (over 60%) and increase flexibility.

Development of dashboard with Python and Streamlit to improve crawlers observability and reduce maintenance time

AmBev, *Automation engineer/Python developer*

APRIL 2021 - SEPTEMBER 2022, Sete Lagoas-MG/Remote

ETL of data from various sources (PLC, computers, databases) using Python or Node-Red.

Development of solutions for process optimization with Python using Streamlit, Pandas and Firebase/MySQL. Deploy applications on the Streamlit.io platform and Docker containers.

Development of dashboards with Python and/or Grafana

GC Automation, *Automation engineer*

OCTOBER 2016 - DECEMBER 2020, Recife-PE

Development of IoT projects using IoT2040 gateway (Siemens) with Node-Red, Python and Arduino/ESP8266. PLC programming in different languages (structured text, ladder and block diagram). Technical assistance services and projects in different industries. Preparation of material and carrying out training.

EDUCATION

CONTACTS

Phone: +55 81 98502-6969
Email: marius.lisboa@gmail.com
Links: [LinkedIn](#)

SKILLS

- **ETL**
- **Web scraping**
- **Python (Pandas, Streamlit, Boto3)**
- **Databases (SQL, MySQL, InfluxDB, Firebase, PostgreSQL)**
- **Grafana**
- **Node-Red**
- **AWS (S3, EC2, MWAA, IAM)**
- **Airflow**
- **Terraform**
- **RPA (Playwright)**
- **Git**

SOFT SKILLS

- **Problem solver**
- **Attention to the details**
- **Time management**
- **Organization**
- **Critical thinking**

LANGUAGES

- **Native Portuguese)**
- **Fluent English (6.5 IELTS taken before the exchange in 2013)**

Federal University of Pernambuco - Undergraduate

FEBRUARY 2009 - FEBRUARY 2018, Recife - PE

Electrical/Electronic Engineering.

Dublin City University - Undergraduate (CsF)

SEPTEMBER 2013 - MAY 2014, Dublin (Ireland)

Electronic Engineering

COURSES

AceleraDev Data Science – Codenation – 2020

Data Pipelines com Apache Airflow – Stack Technologies – 2023

Data Engineering Nanodegree – Udacity – 2024 (in progress)

IaC for data teams – The plumbers – 2023 (in progress)

CERTIFICATIONS

AWS Certified Cloud Practitioner – AWS – 2023

AWS Certified Solutions Architect – Associate – AWS – 2023