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Top Skills

Django REST Framework
Web Scraping
Python

Languages

Português (Native or Bilingual)
English (Full Professional)
French (Elementary)

Certifications

ML API Skills
Oracle Cloud Infrastructure
Foundations 2022 Certified
Associate

André Pereira

Python Developer | Data Engineer
Maceió, Alagoas, Brazil

Summary

I am Backend Developer and Data Engineer with 4 years of work experience and proficient in REST API development, data engineering, and web scraping. My technical toolkit includes languages like Python and Go, along with frameworks such as FastAPI, Flask, Django, and Gin. I'm well-versed in deploying and orchestrating applications on Google Cloud Platform (GCP) using Kubernetes, with an automated CI/CD pipeline built on GitLab CI and ArgoCD. My expertise extends to data extraction through web scraping tools like BeautifulSoup4, Selenium, and Scrapy.

Besides software development, I have a strong focus on code quality and agile methodologies. I employ Test-Driven Development (TDD) techniques using Python's unittest and Golang's testify for unit and integration testing. The Factory design pattern is often my go-to approach for creating flexible and maintainable code. This robust testing and design strategy ensures that the solutions I deploy are not only effective but also reliable and easy to scale.

I worked in companies from different sectors such as: marketing agency, ERP System for the public sector, public university, public sector data audit, data analysis for an investment fund, a company that develops big data solutions and is part of B3, the only index of Brazil shares (Neoway) and legal tech. I am continuously engaged in learning, and I believe that this quality enhances my ability to bring value to teams.

Experience

JUIT

Python Developer | Data Engineer

November 2023 - Present (8 months)

Maceió, Alagoas, Brazil

JUIT is a legaltech company enabling legal practitioners to be more productive, do more in less time, and make data-driven decisions every single day.

Responsibilities:

Develop solutions for data collection and ingestion.

Work together with our engineering team to publish data services for internal and external use in a scalable and observable way.

Collect, map, and analyze data from various sources, both structured and unstructured.

Deploy data services and provision infrastructure via Infrastructure as Code (IaC).

Collaborate with our security team to ensure data security policies and compliance.

Develop test frameworks to improve and ensure the quality of collected data.

UNCISAL - Universidade Estadual de Ciências da Saúde de Alagoas

Python Developer

January 2023 - December 2023 (1 year)

I was responsible to implement and maintain a Unified System of Public (Administration Sistema Unificado de Administração Pública - SUAP) software to manage public universities

Neoway

Python Developer | Data Engineer

March 2023 - November 2023 (9 months)

Maceió, Alagoas, Brazil

Neoway is Latin America's largest Data Analytics and Artificial Intelligence company for business. Founded in Florianópolis and present throughout in Brazil, the company launched its SaaS platform in 2012 and, in 2021, joined B3, Brazil's stock exchange.

Responsibilities and tasks:

Development of web crawling for data collection.

Providing data through APIs.

Data treatment, cleaning, and aggregation.

Monitoring production services.

Evolution and maintenance of data collection, treatment, and aggregation services.

Supplying data as services for the Neoway Platform.

Development of unit tests and integration tests.

Stack:

Development and maintenance of Restful APIs in Golang and Python.

MongoDB, Kafka, RabbitMQ, SQL.

Parsing of HTML, JSON, PDF, and other data formats.

Knowledge of data quality and test-driven development.

Invista

Python Developer | Data Engineer

June 2022 - March 2023 (10 months)

Maceió, Alagoas, Brazil

Invista was created with the aim of providing credit solutions and investing in assets in special situations. It currently has extensive experience in credit operations with receivables, real estate guarantees, debt restructuring, financing for companies in a situation of stress, including judicial reorganization, the acquisition of non-performing debts, judicial assets and stressed assets.

As a Data Engineer, the tasks included:

Working on web scraping robots that gather public data to support investment decision-making.

Data modeling with PostgreSQL and MSSQL Server.

As a Backend Python Developer, the tasks included:

Creating microservices with RESTful APIs using Flask, PostgreSQL, and Neo4j to serve data to clients.

As a Machine Learning Engineer, the tasks included:

Studying the implementation of a data scoring model to support investment decision-making.

AI Solutions

Python Developer | Data Engineer

January 2022 - December 2022 (1 year)

Maceió, Alagoas, Brazil

As an ML and Data Engineer at AI SOLUTIONS, my responsibilities included:

Working on data science projects involving classification algorithms and text mining using Python, SKLearn, and Pandas.

Building a neural network algorithm with Keras.

Handling queries with Elasticsearch.

Developing data pipelines using Apache Airflow.

Certsys Tecnologia da Informação

PHP Developer

September 2021 - January 2022 (5 months)

Maceió, Alagoas, Brazil

During my time at Certsys Tecnologia da Informação, I was assigned to PRODESP (Technology Company of the State of São Paulo) as a Full Stack PHP Programmer. My role involved working on the "Sem Papel" project for the São Paulo state government. The system was developed using a custom framework heavily based on Laravel and written in PHP 7.4.X, following the MVC architectural pattern. The team followed the agile SCRUM methodology. My daily tasks included implementing CRUD functionalities on the frontend using HTML, CSS, and Bootstrap. On the backend, I created routes, controllers, and objects representing the business rules of the functionalities.

Uappi

PHP Developer

April 2021 - September 2021 (6 months)

Maceió, Alagoas, Brazil

At web.art group, I worked as a backend programmer in the support department. The company used its own PHP 7.2-based framework following the MVC pattern, a source deployment system, and GitLab for version control. My daily tasks involved implementing frontend layouts, refactoring code to

comply with the MVC pattern, transforming static behaviors into dynamic ones, and managing database connections. I also worked on integrating APIs such as RdStation, Pix, and gerencianet, among others. My typical tools included the CSS frameworks Foundation and Bootstrap, HTML for markup, CSS for styling, PHP for server-side code, creating scripts in pure JavaScript and jQuery, and sending data via AJAX.

Laboratory of Theoretical and Computational Physics - LFTC

6 years 5 months

Master's degree Research Fellow

January 2017 - December 2019 (3 years)

Maceió, Alagoas, Brazil

Undergraduate Research Fellow

August 2013 - September 2017 (4 years 2 months)

Maceió, Alagoas, Brazil

Education

Universidade Federal de Alagoas

Master's in Physics, Condensed Matter and Materials Physics · (2017 - 2019)

Universidade Federal de Alagoas

Bachelor's in Physics, Condensed Matter and Materials

Physics · (2013 - 2017)

Faculdade Pitagoras

Postgraduate Lato Sensu - Specialization, Information

Technology · (2021 - 2022)