## Contato

paulo.alfredo.barros@gmail.com

www.linkedin.com/in/pabrrs (LinkedIn)

## Principais competências

Apache Spark

DevOps

Python

## Languages

Mandarim (Elementary)

Português (Native or Bilingual)

Inglês (Native or Bilingual)

## Certifications

Back End Development and APIs

Gamification & Behavioral Design: The Octalysis Framework

Trilha Programação Funcional

PWA Fundamentals

Scientific Computing with Python

# Paulo Barros
Senior Data Engineer
Porto Velho, Rondônia, Brasil

## Resumo

Senior Data Engineer with over 10 years of professional experience in the tech industry, I bring a comprehensive skill set and a wealth of knowledge in designing, building, maintaining, and refactoring large scalable projects. My expertise spans across a range of multidisciplinary tools and concepts, including Python, SQL, CI/CD, Big Data, Docker, Kubernetes, Cloud, DevOps, Eventing Pipelines, Automated Testing, and Monitoring.

In addition to my technical prowess, I am deeply passionate about communities. For the past 2 years, I have served as a Tech Lead at Contrate Quem Luta (MTST), contributing to fight against employment inequality in Brazil. I have also help building NodeRIO, a thriving Node.js Community in Rio de Janeiro (BR), hosting Meetups and advertising into my network.

My expertise also included building and maintaining Open Source projects in different languages such as Javascript, Delphi/Pascal and Python, and furthermore, I have engaged in writing and translating documentation for notable projects, including Rancher, Electron, Gitlab and React.

Throughout my career, I have consistently demonstrated my ability to not only deliver high-quality technical solutions but also contribute to the growth and development of my teammates. I thrive in collaborative environments, diverse, leveraging my skills to bridge the gap between technical excellence and effective communication. I am excited with opportunities to leverage my experience in Data Engineering to drive innovation and create value for organizations.

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## Experiência

WorkHQ
Senior Data Engineer
setembro de 2023 - Present (10 meses)

Sinch
Data Specialist
fevereiro de 2023 - Present (1 ano 5 meses)

Jungle Scout
Senior Data Engineer
maio de 2022 - outubro de 2022 (6 meses)
Texas, United States

• Working on Downstream platform, managing an distributed microservice architecture with Python, RDS and Redshift to collect data from Amazon Advertising resources, Amazon SP Apis and Walmart resources
• Build and maintain robust data pipelines architectures with Python, Django, AWS Step Functions, Lambda and SQS
• Maintain an Data Warehouse platform with Redshift and AWS S3
• Build and deploy projects using integrated CI/CD in Github with AWS CDK
• Part of "Adopt a Customer" initiative, keep tracking of Customer Success and roadmap

Descomplica
Senior Data Engineer
dezembro de 2020 - maio de 2022 (1 ano 6 meses)
Rio de Janeiro, Brazil

• Build integrated data pipelines using Airflow, Python and Pandas, deploying on AWS using CI/CD with Github and Jenkins
• Build data KPIs to track data quality
• Build monitoring to data pipelines with Grafana, AWS Insights and webhooks
• Maintain a hybrid Data Lake infrastructure, with Postgres, AWS S3 and BigQuery, focusing in optimize the datasets for better usability and high response rate
• Create data visualizations using SQL, Jupyter, Metabase, Power BI and Pandas
• Mentoring and guide new engineers in Python coding, docker containerization, shell scripting and Jupyter analytics

americanas s.a.
1 ano 8 meses

Data Engineer | Analytics Platform
novembro de 2020 - dezembro de 2020 (2 meses)

Rio de Janeiro, Brazil

• Build a infrastructure for collect internal and public insightful data

• Maintain ETL jobs using Airflow and Python and GCP BigQuery

• Provide real time data insights to company dashboards

### Software Engineer | Ads Platform
maio de 2019 - outubro de 2020 (1 ano 6 meses)
Rio de Janeiro, Brazil

• Create microservices for high traffic Ad products using Node.js, AWS, MongoDB, Postgres and Mesos/Marathon

• Build CI/CD pipelines with Jenkins and Github Actions

• Develop and optimize SQL and ElasticSearch queries

• Create branding awareness products for Sellers from the marketplace, targeting
high-value Ad with low latency and high scalability

• Integrate data from Ads products with company BigData infrastructure using BigQuery, AWS Lambda Functions, AWS Dynamo DB, and SQS/SNS topics

• Build streaming pipelines for data collecting and storing on BigQuery, with RabbitMQ, Node.js, and Ruby Workers to build insights using Metabase and PowerBI

• Be a best practice evangelist in writing JavaScript code, developing valuable documentation and boilerplate projects for Node.js microservices

### Grupo Rovema
#### Fullstack Developer
agosto de 2018 - abril de 2019 (9 meses)
Porto Velho, Rondônia, Brazil

• Design, maintain and deploy PWA's platforms, based on RESTFul API, with CakePHP,
VueJS and MySQL

• Implement distributed container-based microservices architecture with Docker,
Rancher and Digital Ocean Cloud

• Build data pipelines tasks with Pentaho DI, MySQL, Postgres, SQLite, and MSSQL

### Happy Code
3 meses

#### Backend Developer
abril de 2018 - junho de 2018 (3 meses)
Porto Velho, Rondônia, Brazil

• Assistant in bug fixes and implemented new features in a BackOffice and ERP desktop application written with C#, MSSQL, and Docker, also applying changes in database scripts with T-SQL
• Build cross-platform apps for Android and iOS with Xamarin and SQLite

### Teacher Assistant
abril de 2018 - junho de 2018 (3 meses)
Porto Velho, Rondônia, Brazil

• Guide Android development lessons with MIT App Inventor

### SMC Sistemas
Fullstack Developer
janeiro de 2017 - fevereiro de 2018 (1 ano 2 meses)
Porto Velho e Região, Brasil

• Coordinate the development team, acting as a mentor to ensure high quality in task

management and problem solving
• Create an ERP software by using TDD with Delphi XE6 and MySQL with the guidance of agile methodologies and Kanban board system
• Plan development and deploy iterative cycles by establishing market research and value-based model strategies
• Build BackOffice, LMS and Service Desk applications by using CakePHP, Django,
Flask, Bootstrap, Postgres and SQLite

### JVA
6 meses

Fullstack Developer
fevereiro de 2016 - junho de 2016 (5 meses)
Porto Velho e Região, Brasil

• Assist in the development of an ERP platform with Delphi and Firebird
• Implement new features and bug fixes of a Mobile restaurant application, written in PHP and MySQL

### IT Support
janeiro de 2016 - março de 2016 (3 meses)
Porto Velho, Rondônia, Brazil

• Guide customers using ERP platforms

### Amaggi
Intern

novembro de 2014 - novembro de 2015 (1 ano 1 mês)
Porto Velho e Região, Brasil

• Assist users with company software
• Triage users tickets to support

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## Formação acadêmica

Data Science for All by Correlation One
Especialização, Data Science · (abril de 2021 - agosto de 2021)

University of Alberta
Especialização, Software Design and Architecture · (2019 - 2019)

Faculdade Sapiens
Bacharelado, Sistemas de Informação · (2015 - 2018)