Contact

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

Top Skills

Proficiency in Python & Web
Frameworks (Django / FastAPI /
Flask)

Cloud & Deployment (Docker, AWS/
Azure/GCP)

Database Design, API Development
& Software Architecture

Languages

English (Professional Working)

Portuguese (Native or Bilingual)

Pedro Vasconcelos

Senior Software Engineer at Skyworks Solutions | Python Specialist
Fortaleza, Ceará, Brazil

Summary

Senior Software Engineer with extensive experience in backend
systems, data processing frameworks, and cloud-based applications.
Proven track record designing and delivering scalable, cost-efficient
solutions using Python, Django, Pandas, Polars, PostgreSQL,
Databricks, AWS, and Azure. Skilled in leading teams, optimizing
system performance, and building enterprise-grade SaaS platforms
that drive measurable business value.

Experience

Skyworks Solutions, Inc.
Senior Software Engineer
January 2025 - Present (8 months)
Irvine, California, United States

- Developed an agnostic data processing framework in Python, leveraging
Pandas and Polars DataFrame engines and applying the Medallion
Architecture pattern to deliver scalable, cost-efficient, and near real-time data
pipelines.
- Built a scalable, cloud-based data processing application using Azure
ADLS, Event Grid, Storage Queue, Function Apps, Azure Data Factory and
Databricks, ensuring reliability and seamless integration across services.
- Led a pod of data engineers in integrating hundreds of heterogeneous
data sources, designing and implementing ETL pipelines with the internal
framework and Azure Cloud services.

VExpenses
Senior Software Engineer
July 2023 - January 2025 (1 year 7 months)
Ribeirão Preto, São Paulo, Brazil

- Played a key role in the development and successful launch of a specialized
fuel expense management solution, expanding the company's product
portfolio, by leveraging PHP and Python for backend development and
deploying scalable services on AWS ECS, AWS Lambda, and AWS RDS
MySQL.

- Designed and implemented comprehensive refueling tracking features capturing mileage, quantity, price per liter, fuel type, and vehicle details integrated with GPS route comparison to deliver highly accurate and insightful analytical data.
- Developed dashboards enabling real-time KPI monitoring in Metabase and key metrics tracking in Datadog, which helped anticipate issues and accelerate support for major clients.
- Designed and launched a customized user feedback collection solution that identified critical improvement areas, enhancing the overall user experience.
- Contributed to the core team maintaining and evolving the main expense management system by delivering new features, bug fixes, and performance optimizations.

Fieldlink.me
Senior Software Engineer
August 2020 - July 2023 (3 years)
São Paulo, Brazil

- Designed and implemented new features across backend, frontend, and mobile applications of a SaaS platform, enabling faster and more reliable communication between back-office and field teams, and delivering analytical dashboards and reports to accelerate decision-making. Leveraged Python, MQTT, PostgreSQL, and C#, deploying on AWS EC2, RDS, and S3 for scalability and reliability.
- Exclusively supported Itaú Unibanco, one of Brazil's largest banks, by maintaining and enhancing a mission-critical SaaS platform that orchestrated hundreds of daily legal hearings across dozens of cities, ensuring reliability and operational efficiency at scale.
- Led the migration from legacy versions of Python, Django, PostgreSQL, and Linux servers to modern releases, improving security, performance, and maintainability while minimizing downtime and ensuring long-term platform stability.

3C Services S/A
Senior Software Engineer
March 2014 - July 2019 (5 years 5 months)
Eusébio, Ceará, Brazil

I worked on designing and developing ERP web applications for the electrical distribution industry. Managing hundred of thousands equipments, people and processes in tasks like purchases, storage, analysis, request and release for installation and maintenance.

Blockchain Innovations
Senior Software Engineer
December 2016 - March 2019 (2 years 4 months)
Henderson, Nevada, United States

I worked on a team that developed the Pebblecoin ecosystem: wallet, trade
and bet platforms and a tool for sending coins using email.

HelloFlora.com
Software Engineer, Co-Founder, CTO
January 2014 - October 2016 (2 years 10 months)
Fortaleza Area, Brazil, Remote

HelloFlora.com was an online marketplace that connected people from around
the world to small local business like flower, baskets and gift shops, delivering
quickly, fresh and local gifts ordered online.

Federal University of Ceara
Software Engineer
March 2012 - October 2013 (1 year 8 months)
Fortaleza Area, Brazil

I was hire as a contractor for helping integrate OpenEDX MOOC platform with
UFC Solar 2.0 educational online platform.

DPM Engenharia
Junior Software Engineer
January 2011 - December 2011 (1 year)
Fortaleza, Ceará, Brazil

Worked on a firmware application of a telemetric monitoring station.

GigaMedia Consultancy
Software Development Intern
January 2008 - December 2008 (1 year)
Fortaleza, Ceará, Brazil

Worked in ecommerce backend developing and other several projects for
Web.

Education

Universidade de Fortaleza
Mechatronics Engineering, Mechatronics, Robotics, and Automation
Engineering · (2004 - 2010)

Instituto Superior Técnico

Computer Software Engineering · (2006 - 2007)