Vinicius Guerra e Ribas

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Summary

Senior Data & Software Engineer with **5+ years of experience** leading and delivering scalable cloud-native data solutions for Fortune 500 companies and government agencies. Strong background in AI-driven data pipelines, DevOps automation, and cross-functional collaboration.

✓ Architected **50+ ETL pipelines** across 10+ global projects, streamlining cross-departmental data access (Finance, Logistics, IT) and optimizing data workflows at scale.

✓ Extensive experience in AI-driven data pipelines, including lead classification models, invoice OCR automation, and generative AI assistants using Cloud, OpenAI, and ML models.

✓ Recognized with multiple awards, including a Santander Open Academy Scholarship, Raízen Energia S.A. Exceptional Performance Award, and a formal recommendation letter from the Brazilian Government.

Education

MBA   **Universidade de São Paulo (USP)**, Software Engineering   Apr 2024 – Jan 2026
- Full Scholarship for additional specializations at Coursera.
- **Coursework:** Full Stack Development, Software Management, Cloud Computing, Data & Business.

MBA   **Universidade de São Paulo (USP)**, Data Science and Analytics   May 2021 – Jan 2023
- Graduated with **Highest Distinction**, achieving top grades in Research, Final Exams, and Thesis Defense.
- **Coursework:** Statistics, Machine Learning, Big Data, Business Analytics.

BSc   **Universidade de Brasília (UnB)**, Energy Engineering   Jan 2014 – May 2021
- Final thesis awarded top marks, applied in Brazil's COVID-19 data science efforts.
- **Coursework**: Renewable Energy, Technology, Innovation, Sustainability, and Data Analytics.

Work Experience

Raizen Energia S.A., Data Engineer, Analytics Engineering   São Paulo, Brazil (Remote)
- Integrated **80% of business area's data** into a cloud platform, eliminating silos and   Aug 2023 – present
  democratizing access. Optimized data retrieval with queryable views, **reducing data access time by 95%**
- Optimized PySpark Kubernetes cluster performance, reducing processing time from 20 hours to **30 minutes** and cutting cloud costs by **90%** with a custom monitoring tool for large-scale datasets.

Raizen Energia S.A., Data Engineer, ETL Pipelines Development   São Paulo, Brazil (Remote)
- Corrected **40,000+ customer records** from Salesforce & SAP APIs, enabling auto-   June 2022 – Aug 2023
  mated billing & marketing strategies.
- Architected, implemented, orchestrated, and monitored over 50 data solutions, integrating sources such as business SharePoint, external APIs, dashboards, SQL databases, NoSQL databases, and data lakes.

Energisa S.A., Business Intelligence Analyst   Mato Grosso do Sul, Brazil (Hybrid)
- Automated data extraction, **reducing manual reporting by 75%** and optimizing BI   Mar 2021 – June 2022
  reporting pipelines.
- Developed interactive dashboards, providing market insights for executives.

Brazilian Electricity Regulatory Agency (ANEEL), Data Scientist, Intern   Brasília, Brazil (On-site)

- Contributed to a nationwide energy customer database, improving regulatory oversight & policymaking.
- Ensured data security compliance, adhering to governance standards

Jan 2019 – Mar 2021

Awards

Santander Open Academy Scholarship   2024
- Full Scholarship for advanced software development training (Full Stack, DevOps, Data Engineering)

Upwork Top Rated Freelancer with 100% Job Success and 5-Star Rating   2022 – present
- **100% job success rate**, delivering 5-star rated projects with consistent on-time completion.

Raizen Energia S.A. Exceptional Performance Recognition   2023
- Recognized for outstanding contributions in data engineering & innovation.

Universidade de São Paulo Top Grade Recognition   2023
- Achieved the highest academic distinction in Research & Thesis Defense.

Brazilian Electricity Regulatory Agency (ANEEL) Recommendation Letter   2021
- Formally recognized for contributions to Brazil's energy sector data initiatives.

Certificates and Volunteering

Certificates
- **Prompt Engineering for Developers Certificate** - DeepLearning.AI
- Customer-Centric IT Strategy Certificate - University of Virginia
- Microsoft Azure for Data Engineers Certificate - Microsoft

Volunteering
- Litter-of-Light (ONG) – Tech Volunteer supporting low-income communities.
- COVID-19 Data Science Initiative – Contributed to government pandemic response.

Skills

Data Engineering: ETL, Pipelines, Apache Spark, Analytics Engineering, SQL & NoSQL, Data Lakes, Data Governance, Data Quality, Data Integration

Data Science: Machine Learning, Pandas, Jupyter, Statistical Analysis, Data Visualization, AWS SageMaker, Databricks

DevOps & Cloud: AWS, Azure, GCP (Google Cloud Platform), Kubernetes, CI/CD, IaC, Docker, Git, Monitoring & Logging

Software Development: Python, React + Javascript + Node.js, SQL, CSS + HTML, Backend, Frontend, Full Stack, REST API, Agile, Scrum

Artificial Intelligence: Deep Learning, Prompt Engineering, NLP, AI Assistant Development, MLOps

Business Intelligence & Data Analytics: Power BI, Tableau, Data Analytics, KPI Monitoring, Dashboard Design, Business Analysis, Data Storytelling

Soft Skills: Leadership, Communication, Problem-Solving, Teamwork, Customer Focus, Adaptability, Decision-Making, Time Management, Strategic Thinking