

Vinicius Guerra e Ribas

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Professional Summary

Senior **AI & Data Engineer** with **5+ years** of experience delivering scalable, cloud-native **ML and Generative AI solutions** for **Fortune 500 companies and government agencies**. Expert in Python, cloud platforms (**AWS, Azure, GCP**), containerization (**Docker/Kubernetes**), and NLP-driven solutions (**LLMs, Prompt Engineering**).

✓ Built and deployed **AI-driven products** leveraging **Large Language Models (GPT-based)** for automated lead classification, invoice OCR, and business intelligence virtual assistants.

✓ Enhanced cloud-native big data processing, reducing PySpark Kubernetes pipeline runtime from **20 hours to 30 minutes**, cutting cloud costs by **90%** through advanced monitoring solutions.

✓ **Developed 50+ ETL pipelines** across **10+ global projects**, optimizing **data workflows** and **streamlining access** across Finance, Logistics, and IT teams.

✓ **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

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| MBA Universidade de São Paulo (USP) , Software Engineering | Apr 2024 – Jan 2026 |
| <ul style="list-style-type: none"> • Full Scholarship for 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 |
| <ul style="list-style-type: none"> • Graduated with Highest Distinction, excelling in ML, Statistics, and Big Data courses. • Deep dive into Python traditional data science libraries (TensorFlow, PyTorch, Keras, scikit-learn) and NLP-focused tools (LLMs, GenAI, NLP, Prompt Engineering) to become a versatile data scientist. • Coursework: Machine Learning, NLP, Big Data Analytics, Statistical Analysis. | |
| BSc Universidade de Brasília (UnB) , Energy Engineering | Jan 2014 – May 2021 |
| <ul style="list-style-type: none"> • Thesis applied in national Government Data Science initiatives. • Data science researcher in the fight against COVID 19 | |

Work Experience

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| Raízen Energia S.A. , AI & Data Engineer, Analytics Engineering | São Paulo, Brazil (Remote)
Aug 2023 – present |
| <ul style="list-style-type: none"> • Built scalable AI-focused analytics pipelines using GPT-based LLMs, significantly enhancing real-time insights and predictive analytics for internal and external client solutions. • Deployed and managed cloud-native ML/Business pipelines using Docker, Kubernetes, and AWS/Azure, making 100% of business data available in the cloud • Improved data integrity by correcting 40,000+ customer records, automating billing and marketing processes. | |
| Raízen Energia S.A. , Data Engineer, ETL & ML Pipelines | São Paulo, Brazil (Remote)
June 2022 – Aug 2023 |
| <ul style="list-style-type: none"> • Architected and optimized 50+ ETL & ML solutions, integrating APIs, SQL/NoSQL databases, and Data Lakes. • Automated ETL pipelines, reducing manual workload by 80%, and designed ML-based data enrichment solutions. | |

Energisa S.A., Business Intelligence & Data Analyst

- Automated data extraction processes, cutting manual reporting by **75%**.
- Built interactive dashboards, enabling **real-time analytics**.

Mato Grosso do Sul, Brazil
(Hybrid)
Mar 2021 – June 2022

Brazilian Electricity Regulatory Agency (ANEEL), Data Scientist, Intern

- Built a **nationwide energy customer database** enhancing regulatory oversight and decision-making.
- Ensured compliance with data governance and security protocols.

Brasília, Brazil (On-site)
Jan 2019 – Mar 2021

Awards

Santander Open Academy Scholarship

2024

- Advanced training in **Data Engineering, ML, and DevOps**.

Upwork Top Rated Freelancer with 100% Job Success

2022 – present

- Delivered numerous **client-facing ML/AI projects** with **5-star ratings**.

Raizen Energia S.A. Exceptional Performance Recognition

2023

- Recognized for **outstanding contributions** in AI & data innovation.

Certificates and Volunteering

Certificates

- **AI Agents Specialization** - HuggingFace (In Progress)
- **Microsoft Azure for Data Engineers** – Microsoft
- **Prompt Engineering for Developers** – DeepLearning.AI
- **Customer-Centric IT Strategy** – University of Virginia

Volunteering

- **Litter-of-Light** – Tech Volunteer for low-income communities.
- **COVID-19 Data Science Initiative** – Data analytics contribution to pandemic response.

Skills

AI & ML: LLMs (GPT), GenAI, NLP, TensorFlow, PyTorch, Keras, scikit-learn, Prompt Engineering, Model Deployment, MLOps

Data Engineering: ETL, Spark, SQL/NoSQL, Data Lakes, Data Quality & Governance

DevOps & Cloud: AWS, Azure, GCP, Kubernetes, Docker, CI/CD, Terraform, Monitoring

Software Development: Python, OOP, TDD, REST APIs, Agile

Soft Skills: Communication, Teamwork, Problem-Solving, Client Delivery, Strategic Thinking