

Arturo Vaine

Brazil

Software Developer / Full Stack Developer / AI Engineer

Python ; JavaScript / TypeScript, Node.js; n8n ; (SQL) MySQL, Postgres, (NoSQL) MongoDB, Firebase ; AWS, GCP. arturo.vaine@gmail.com br.linkedin.com/in/arturovaine arturovaine.com

Experience

Present	Full Stack Developer / AI Engineer Instituto Meros do Brasil - Curitiba-PR-Brazil ; Remote (freelancer) Non-profit Brazilian organization, private initiative subsidized by PETROBRAS S.A. <ul style="list-style-type: none">• Development of a back-office platform (MERN) w/ MCP to manage tasks and reporting of 60+ team members;• Deployment of ETL pipelines and RAG system to consolidate reports and enable querying of Knowledge Base;• Management of Google Admin Workspace console to support all sort of team members needs;
nov may / 2025	Software Developer / AI Engineer NILG.AI - Porto, Portugal; Remote (consultant/contractor) “Tailored AI solutions to grow your business, scale faster, and cut costs, from strategy to deployment.” <ul style="list-style-type: none">• Built MCP and audiovisual pipelines using Python, Zapier, webhooks, and FFmpeg to process TV episodes;• Achieved relevant time savings by automating docs processing with ETLs, and vision-language models;• Developed RAG agents and chatbots (front-end React) for multiple industries, including tourism and healthcare;
oct jun / 2025	Data Engineer LitBoat / Stealth Startup - Miami, United States; Remote (freelancer) <ul style="list-style-type: none">• Deployment of Medallion Architecture in BigQuery and APIs (SQLAlchemy, FastAPI) for data ingestion;• Integration of data pipelines and Analytics, GCP (Buckets, Postgres, BigQuery), Retool and Metabase;• Building dataviz on Metabase to provide strategic KPIs for thousands of clients (restaurants);
feb / 2025	Full Stack Developer / Data Analytics
sep / 2024	Rise Layers / 88 Delivery Platform - Curitiba-PR-Brazil ; On-site Developer at Delivery branch (early stage startup) - Restaurant Delivery Platform (300+ restaurants); <ul style="list-style-type: none">• Built digital menu from scratch (React), to open new revenue channel for more than 300 customers (restaurants);• Developed integration and applications: portfolio management, broadcast messages, etc. (NoSQL, Firebase);• Deployed ETLs for: CRM sync, portfolio enrichment, data analysis - RFM matrix, ABC curve, etc. (Python);
sep / 2024	Full Stack Developer / Data Analytics
mar / 2023	Supercampo S/A - Curitiba-PR-Brazil ; On-site <ul style="list-style-type: none">• Delivered data through ETL / BI of R\$ 160MM+ annual GMV and other KPIs (MySQL, PowerBI, Streamlit);• Supported technology innovation project (Tecnoparque), reducing company's service tax (ISS) from 5% to 2%;• Developed MERN stack for Product Information Manager (PIM) of portfolio enrichment w/ GenAI (180k+ SKUs);• Deployment of workflows for integration of 180k+ SKUs, 80k+ customers, and other multiple data;• Gathered requirements and integrated ERP systems (12 businesses) and VTEX ecommerce APIs;
mar / 2023	Back-end Developer
oct / 2022	BRG Brasil Geradores - Anápolis-GO-Brazil ; Remote <ul style="list-style-type: none">• Delivered key features to enhance APIs / back-end of National Power Plant Monitoring System;• Refactored and modernized legacy Express.js codebase by transitioning to a multi-layer architecture REST API;• Documented APIs using OpenAPI notation, Swagger and markdown docs.
dec / 2021	Software Developer
jul / 2019	SIMEPAR - Sistema de Tecnologia e Monitoramento Ambiental do Paraná - Curitiba-PR-Brazil ; On-site Dam Monitoring Project - overall output delivered opportunity of collecting 7-digit fees; <ul style="list-style-type: none">• Developed data collection solution of technical form with ~350 inputs (HTML, Vanilla JavaScript, CSS ; SQLite);• Delivered data analysis process to check inconsistencies and generate ~900 reports and (Python-Pandas);• Designed PowerBI decision tool for monitoring KPIs: team's productivity, deliverables and scheduling;
nov / 2021	Product Engineer & Co-founder
nov / 2019	Sagan Bionics - Curitiba-PR - Upper limb prosthesis development, TRL-5 <ul style="list-style-type: none">• Fellow of LIF-7 Programme (2021), Royal Academy of Engineering (UK)• Technology project funded by subvention ≈ 8k USD / 36k BRL, early 2020 (Fundação Araucária-Brazil)• Awarded 11th Ozires Silva National Prize of Sustainable Entrepreneurship - 2018 (Brazil)

Education

2016

Mechanical Engineering, Bachelor Degree

Federal University of Technology – Paraná, UTFPR, Curitiba -PR-Brazil

2014

Mechanical Engineering (Non-degree, visiting student; 2 semesters, ~1000h)

National Institute of Applied Sciences of Lyon (INSA), Villeurbanne-France. 2013 cohort

Languages

English: Advanced French: Advanced

Acknowledgments

- 2021 Fellow of Leaders in Innovation Programme (LIF-7th cohort), Royal Academy of Engineering (London-UK)
2019 2nd place Global Legal Hackathon (Nous Team) - National Law Organization (OAB-PR-Brazil)
2013 1st place Scholarship selection UTFPR 2013 cohort, CAPES/BRAFITEC, Brazil-France