

Fernando Nascimento Oliveira

Software Engineer

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Software developer with 5 years of experience in Web Development and Data Engineering, with a proven track record of creating products from conception to deployment and creating complete products and systems that optimized workflows and brought agility to operations.

Professional Objective: Software engineer with experience in web development and data engineering, seeking an opportunity to apply my programming and DevOps skills in an innovative technology company, contributing to the development of robust and scalable solutions.

Professional Experience

Data Engineer

42 rio + Vibra Energia S.A | Apr 2025 - present

- Automated biomass calculation, improving the efficiency of the fraud sector with the construction and maintenance of pipelines and scripts in Python and Jupyter Notebooks for pipeline development and Terraform to improve component creation in Google Cloud Platform (GCP).
- Used Cloud Composer (a managed implementation of Apache Airflow) to orchestrate and schedule data pipelines.
- Cloud Run was used to execute applications scalably and serverlessly.
- Centralized and managed Docker images in Artifact Registry, ensuring consistency and traceability for applications.
- Acted in the creation of GCP Pub/Sub to automate queue communication and multiple processing of a single data.
- Conception, creation, and implementation of data pipelines for a data lake of open data from ANP (National Agency of Petroleum) and B3.

Co-founder and Developer

Ruminante | Dec 2024 - present

As co-founder of Ruminante, a software house, I led technical development and project management, ensuring the efficient and high-quality delivery of SaaS and on-demand solutions. Responsible for all technical aspects, from conception to delivery, which provided me with a complete view of the software product lifecycle.

- **Product Development:** Led the development of websites, APIs, and apps using technologies such as NextJS, Python, and React Native/Expo. The implementation of MVPs resulted in process optimization for companies of various sizes.
- **Infrastructure:** For some SaaS, we implemented a Kubernetes cluster to provision possible horizontal scaling for access peaks.

Software Engineer

sofex | Oct 2023 - Dec 2024

- **Full-Stack Development:** Participated in the complete development cycle of a mobile application for the aesthetics sector, from conception to deployment in stores, using React Native. I also integrated APIs in Django REST and NestJS, implemented authentication via AWS Cognito, and ensured quality with automated tests.
- **Internal Process Optimization:** Developed a desktop application in Electron that automated coupon generation. This solution eliminated the need for manual code creation, optimizing the workflow and providing more agility in customer delivery.
- **Autonomy and Collaboration:** I was responsible for the company's institutional website and for creating CI/CD pipelines for deployment on Vercel and AWS EC2. My work contributed to team efficiency and collaboration, resulting in faster deliveries and a more dynamic work environment.

Freelance Web Developer

Inob | April 2023 - Oct 2023

Responsible for web development projects, including refactoring an existing website and creating a new institutional website. I worked from conception to delivery, ensuring robust and functional solutions for clients.

Software Engineering Intern

Link informática RJ | Nov 2021 - Nov 2023

- **Full-Stack Product Development:** Led the creation of a complete product, a point-of-sale system in React Native, which included issuing invoices (NFC-e) and integration with analysis dashboards. This solution opened a new market niche for the company and improved sales management for clients.
- **Legacy System Modernization:** Developed a pre-sale and monitoring application that integrated a legacy system, streamlining order and invoice issuance processes.
- **Data Flow Optimization:** I was responsible for importing customer databases and creating intermediary APIs for efficient data consumption, contributing to the modernization and optimization of workflows.

IT Assistant and Developer

Império das pizzas | April 2019 - July 2020

- **Digital Transformation of Operations:** Developed, from scratch, a counter order system and a sales panel, eliminating the manual annotation process. This solution brought greater agility and precision to operations, optimizing workflow and contributing to more efficient management.

- **Critical Process Automation:** The system simplified processes such as cash closing, cash withdrawal, supply management, and report generation, demonstrating my ability to create complete and impactful solutions.
- **IT Infrastructure:** I was responsible for the company's IT infrastructure, including computer and network configuration and maintenance, ensuring equipment operability.

Skills

English: Advanced

Technical Skills

- **Web Development (Front-end):** HTML5, CSS3, JavaScript, TypeScript, React, Next.js, Vue.js, NestJS
- **Back-end Development:** Node.js, Python (Django), PHP, C, C++, Golang
- **Databases:** SQL, MySQL, PostgreSQL, MongoDB, Redis
- **Cloud & DevOps:** Google Cloud Platform (Artifact Registry, Cloud Run, Composer, VMs, BigQuery, IAM, Cloud Storage), AWS (EC2, RDS, IAM), Microservices, CI/CD, Docker
- **Testing:** Jest, Selenium, React Testing Library, Cypress, Pytest
- **Methodologies and Tools:** Agile Methodologies (Scrum), Git (GitHub, GitLab), Figma, Shell Script, Clean Code, Design Patterns
- **Other Tools:** Apple Connect, Google Play Console

Education

Software Engineering, Higher Education

42 rio | Oct 2023 - Dec 2025

Computer Science, Higher Education

Unicarioca (University Center) | Feb 2021 - Dec 2025

IT Technician, High School

Lemos de castro | Feb 2018 - Dec 2020