

Pedro Augusto Barone

Fullstack Software Engineer (Backend-Focused)

Python • Node.js • SQL • Automations • API Design

+55 (11) 97296-9552 - pedrobarone2709@gmail.com - [LinkedIn](#) - [GitHub](#) - [Portfolio](#)

Professional Experience

Software Engineer

Stratesys Technology Solutions | Nov 2022 - Current

- Engineered and deployed a robust Node.js & Express backend for a critical OpenText and Adobe Sign integration, achieving 100% auditable automation for major enterprise clients.
- Implemented a persistent OAuth2 authentication system with refresh tokens, ensuring 24/7 operational continuity and eliminating all manual re-authentication in line with security best practices.
- Developed a suite of Python automation scripts using REST APIs that reduced critical task execution time by up to 77%, directly contributing to meeting and exceeding efficiency OKRs.
- Refactored and optimized over 25 mission-critical SQL reports for clients like PwC and Vale, achieving a performance improvement of over 62% and significantly enhancing data scalability.
- Prepared key technical documentation and trained 3+ team members on the Node.js backend integration with Adobe Sign (OAuth, webhooks, and document automation), streamlining onboarding and reducing rework across the team.
- Led the reimplementation of 8+ client workflows, improving beyond legacy behavior by introducing continuous enhancements. This resulted in time savings of 10+ minutes per processed document and significant gains in operational efficiency.

Software Engineer Intern

Stratesys Technology Solutions | Sep 2021 – Nov 2022

- Provided operational support to the engineering team by managing and processing corporate data, ensuring information accuracy for key projects.
- Supported the quality assurance process by executing test cases and reporting results, helping to identify and resolve basic system issues.
- Assisted senior team members by preparing documentation and organizing project assets, contributing to improved team efficiency and workflow

Education

FIAP

Bachelor's degree in Software Engineering Feb 2023 – Nov 2026

Python, JavaScript, Java, SQL, HTML, CSS, React + Vite, Node.js, REST APIs, Cybersecurity, Data Science, Agile, Scrum, Git, UX/UI Design, Cloud, IoT, QA (Quality Assurance), Domain-Driven Design, Object-Oriented Programming (OOP), SOA (Service-Oriented Architecture), Operating Systems, Networking.

Technical Certifications

- Python: Applying Object Orientation - Alura (2025)
- Using AWS and exploring cloud resources as a service Alura (2025)
- Advanced Queries with Microsoft SQL Server - Alura (2024)
- Customer Experience Management - FIAP (2024)
- Web Development with React and Vite - Alura (2023)

Languages

I have practical experience in communicating with native speakers of the following languages:

- English (Fluent, with formal diploma)
- Spanish (Advanced, goFLuent certification)

Hard Skills

- **Languages & Frameworks:**
Node.js (JavaScript/TypeScript), Python (Flask, Pandas, Requests), React.js, HTML5, CSS3, SCSS, SASS
- **APIs & Integration:**
RESTful APIs, Webhooks, AsyncAPI, system integration, API documentation, API First architecture, microservices, OpenAI Whisper, STT
- **Architectures & Design:**
Microservices, Monoliths, Event-Driven Architecture, Hexagonal Architecture, DDD (Domain-Driven Design), Clean Code, design patterns.
- **DevOps & Infrastructure:**
Containers (Docker, Docker Compose), Kubernetes (notions), CI/CD (Continuous Integration and Deployment), automation pipelines.
- **Testing & Quality:**
Automated testing (unit, integration, E2E, stress), TDD, BDD, Selenium, Playwright, code coverage, monitoring, resilience and observability of systems.
- **Database & Messaging:**
Advanced SQL (views, subqueries, performance optimization), relational modeling and query building (SQL Server, MySQL, Postgres), asynchronous processing and messaging (RabbitMQ, Event-Driven).
- **Protocols & Security:**
HTTP, AMQP, TCP, TLS/SSL, JWT, CORS, authentication and security in APIs.
- **Tools & Methodologies:**
Git (GitHub, GitLab, Gitflow), agile methodologies (Scrum, Kanban), code versioning, collaboration in cross-functional teams