



Gabriel Mendes Lopes

Fullstack Developer

CONTACT



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github.com/ShybaPsY



Anhumas, SP - Brazil

SKILLS

React / TypeScript

95%

Java / Spring Boot

90%

Python / ML

85%

C / C++ / Go

80%

PostgreSQL / MongoDB

88%

Cloud (GCP / Azure)

75%

LANGUAGES

Portuguese

Native

English

Advanced (C1)

Spanish

Basic

CERTIFICATIONS

2024

C/C++ Complete

2024 Power BI - SENAI

2024 IoT - SENAI

2023 Google Cloud AI

2023 Microsoft AZ-900



About Me

Fullstack Developer passionate about creating complete and innovative digital solutions. Currently in the **5th semester of Information Systems** at FIPP and **PIBITI/CNPq Scholar** at FCT-UNESP, where I develop automation systems for piezoelectricity research. Solid experience in **React, TypeScript, Java Spring Boot, Python** and integration with **payment APIs, AI (Gemini)** and databases. Proactive, dedicated and constantly seeking challenges that generate real impact.

Communication

Problem Solving

Proactivity

Teamwork

Negotiation



Experience

Technological Initiation Scholar (PIBITI)

Sep 2025 - Sep 2026

FCT-UNESP / CNPq

- Development of closed-loop control software with **Arduino** for piezoelectric measurement equipment
- Integration of pneumatic actuators and **HX711** load cell sensors with serial communication
- Desktop application in **Python/PyQt5** with real-time graphs and state machine
- Preparation of documentation for **patent and software registration**



Featured Projects

ContabilPro - Digital Admission SaaS

2025

SaaS platform for accounting firms. 8-step wizard, CPF validation, masks for Brazilian documents, LGPD compliance, auto-fill via ZIP code and Gemini AI.

React 19

TypeScript

Supabase

Gemini AI

Framer Motion

QuoteFys - AI-Powered Quotation SaaS

2025

Complete platform for automatic quotation generation. 12 PostgreSQL tables with RLS, MercadoPago subscriptions (HMAC webhooks), WhatsApp automation via Twilio and PDF generation.

React

PostgreSQL

MercadoPago

Twilio

Gemini AI

Stock Market Prediction with ML

2025

ML pipeline for financial index prediction. Random Forest, AdaBoost and MLP Neural Network with technical indicators (SMA, RSI, MACD). MLP model: 52.78% accuracy.

Python Scikit-learn Pandas NumPy

DOARC - Donation Management System

2025

Fullstack system for NGO. Dashboard, complete CRUD, inventory control, delivery scheduling and reports with PDF/Excel export. LGPD compliance.

Java Spring Boot PostgreSQL REST API

Interactive OS-Style Portfolio

2025

Portfolio in operating system format. Custom window manager, terminal with 25+ commands, 11 Canvas games, scientific calculator. +10,000 lines of pure JS.

JavaScript Canvas API Web Audio ES Modules



Education

Bachelor's Degree in Information Systems

FIPP - Faculty of Informatics of Presidente Prudente

2023 - 2026 (5th semester)

Technological Initiation - Piezoelectricity

LabEITec - FCT UNESP (PIBITI/CNPq Scholarship)

Research in nanotechnology and piezoelectric materials



Tech Stack



React



TypeScript



Java



Spring



Python



C / C++



Go



PostgreSQL



MongoDB



Supabase



Gemini AI



GCP



Git



CI/CD



Next.js



Vercel