

Gabriel dos Santos Silva

Backend / Full Stack Developer | PHP, Laravel, Applied AI and DevOps

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Portfolio: portfolio.gab.tec.br

Professional Summary

Developer with experience since 2019, responsible for the backend of SaaS products, APIs and integrations. Experience with PHP, Laravel, Node.js, databases, queues and real-time communication. Background in legacy system modernization, AI and RAG integration, deployment automation and Linux operations. Contributed to infrastructure decisions and migrations across AWS, Azure and VPS environments, considering cost, security and maintainability.

Technical Skills

Backend and Data: PHP, Laravel, Node.js, REST APIs, MySQL, PostgreSQL, Redis, queues, RabbitMQ.

Web and Mobile: JavaScript, Vue.js, Angular, HTML, CSS; contributed to React Native development.

Infrastructure: Linux, Nginx, Apache, PHP-FPM, Supervisor, Docker, Git, CI/CD, GitHub Actions, SSL, firewalls and backups.

Cloud: AWS (S3, Secrets Manager, Lambda, IAM); Azure (Blob Storage, Key Vault).

Integrations: Socket.IO, Pusher, WebRTC, SMTP, IMAP, SMS, FCM, WhatsApp API, Stripe, Lacuna and Binance.

AI and Other Languages: integration of models from multiple providers, chatbots, RAG; Go, Python and Bash.

Professional Experience

Cyber1 Group

Full Stack Developer

May 2022 - Present

São Paulo, Brazil

Also working on Validato since January 2025 as part of the same role. Develop, maintain and deliver web and mobile products, with primary responsibility for the backend of BioChat, Multidesk and Vaultfy.

Quality1 / QualityManager | quality management

Web system with APQP, PPAP, FMEA, SPC and MSA tools, serving multiple clients with a focus on security and data isolation.

- Upgraded Laravel from version 8 to 13 and PHP from version 7 to 8.3, resolving compatibility issues and maintaining system functionality.
- Migrated legacy Blade pages to Vue.js and web routes to APIs, modernizing the application and improving response times.
- Set up a staging environment and GitHub Actions pipelines for automated deployments to staging and production.
- Implemented Redis caching to speed up loading of quality studies, and real-time notifications and alerts with Pusher.
- Performed testing, bug fixes and backups; configured queues, SMTP, Supervisor, web servers, SSL and firewalls; implemented file encryption and session controls.
- Integrated AI to assist with completing and validating quality studies.

Validato | SaaS platform with applied AI

- Took over system maintenance and development after the main developer's departure, ensuring product continuity.
- Improved code, performed testing and integrated AI models from multiple providers into platform features.
- Maintained the application and server in an environment using PostgreSQL, RabbitMQ, Node.js, Supervisor and Nginx.

Professional Experience | Continued

Cyber1 Group

May 2022 - Present

BioChat | communication between doctors and patients

Primary backend developer, also contributing to mobile applications for doctors and patients.

- Built REST APIs with Laravel, MySQL and Redis caching; implemented real-time communication with Socket.IO, Node.js and Redis.
- Implemented FCM mobile notifications, email, SMS, rate limiting, and integrations with WhatsApp API, Stripe and Lacuna digital signatures.
- Contributed to architecture decisions focused on cost, maintainability and migration flexibility; migrated the backend, files and secrets from AWS to Azure and subsequently to VPS infrastructure.
- Integrated S3, Secrets Manager, Blob Storage and Key Vault; implemented encryption and security controls for data and files.
- Implemented WebRTC video calls and configured connectivity infrastructure; performed testing, staging validation, pipeline setup, framework upgrades and AI chatbot integration.

Multidesk | customer support and ticket management

Primary backend developer for a platform centralizing customer support, tickets, leads and dashboards.

- Built an IMAP mailbox processing system to create support tickets from incoming emails.
- Developed APIs allowing clients to create and manage tickets from their own systems and dashboards.
- Implemented email notifications for requests and ticket progress, using queues for background processing.

Vaultfy | cryptocurrency tracking and trading

Primary backend developer for a platform providing indicators, balances and trading operations through Binance integration.

- Integrated cryptocurrency indicator APIs to populate analytics dashboards.
- Integrated the Binance API to allow an operator to execute trades for multiple clients.
- Protected credentials through encryption, IP restrictions and access controls; integrated AWS Lambda, Secrets Manager and IAM for secure storage and use of secrets.

Aissa Tecnologia da Informação

Apr 2021 - Apr 2022

Freelance Web Developer

Brazil

Supported the development team, focusing on frontend development, SQL and server configuration.

- Created pages with HTML, CSS and JavaScript; wrote PostgreSQL queries and tested applications.
- Handled deployments, SSL and SMTP configuration, backup routines and delivery automation with GitHub Actions.

Bull Óleo

Dec 2019 - Mar 2021

Systems Programmer

São Paulo, Brazil

- Developed, improved and maintained scripts for internal management and process automation using PHP, Bash and SQL.
- Integrated Bling and e-commerce platforms; supported the internal team in using these platforms.

Education

Technology Degree in Internet Systems

Feb 2018 - Jan 2022

Federal Institute of Education, Science and Technology of São Paulo (IFSP), Brazil.

Undergraduate final project: server security and hardening, referencing OWASP vulnerabilities.

Languages

Portuguese: Native | English: Advanced.