

Lucas Freitas

Full Stack Developer — Backend (PHP / Laravel)

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PROFESSIONAL SUMMARY

Backend and Full Stack Developer with 4 years of experience in PHP/Laravel and Vue.js, working on multi-tenant e-commerce SaaS platforms serving thousands of merchants. Technical owner of 4 production modules, covering the full development lifecycle — from requirements through deployment, monitoring and observability. Recent results include test coverage raised from 10% to 92% across two core projects and a 50-minute cut in CI/CD pipeline runtime. Strong secondary focus on application security, with hands-on remediation of account takeover, privilege escalation, XSS and checkout fraud.

PROFESSIONAL EXPERIENCE

LWSA (Tray, Bling, Bagy) — Brazil (Remote)

Full Stack Developer | Jul 2025 – Present

Multi-tenant e-commerce SaaS platform serving thousands of merchants. Team of 14.

- Raised test coverage from 10% to 92% across the two core merchant-admin projects (backoffice-api and backoffice-front), expanding unit, regression and end-to-end test suites.
- Cut 50 minutes per pipeline run by eliminating the full second test pass: parallelized jobs now persist partial coverage reports and merge them instead of re-running the whole suite.
- Took technical ownership of 4 production modules — bulk promotions, AI integration, per-platform feedback and the new application menu — becoming the team's reference for these domains.
- Migrated complete modules from a legacy system (plain PHP and CakePHP) to a microservices architecture with Laravel 11 and REST APIs, improving scalability and maintainability across the news, customers, orders and bulk promotions scopes.
- Eliminated request timeouts by moving synchronous processing to asynchronous queues with RabbitMQ messaging and Laravel Jobs, sustaining high availability in a multi-tenant environment.
- Established the observability layer with New Relic, Graylog and Grafana, enabling real-time traceability and fast incident diagnosis across AI, product and promotion flows.
- Investigated and remediated vulnerabilities through white-box analysis, including vertical privilege escalation and fraudulent coupon generation via malicious payload.
- Accelerated delivery with AI-assisted development (Claude Code and Cursor AI) applied to migrations, vulnerability research, test expansion and production failure analysis.
- Run 1 to 3 code reviews per day against structured criteria: requirement adherence, SOLID/DRY/KISS, clean code, security (injection, sensitive data exposure, authorization flaws) and regression risk.
- Acted as the technical reference in new-developer onboarding, answering for architecture questions, project design patterns and delivery workflow.

Stack: PHP 7.2–8.4, Laravel 8/11, CakePHP, JavaScript, TypeScript, Vue 2, React, MySQL, Redis, RabbitMQ, Docker, New Relic, Graylog, Grafana, GitLab CI/CD, Terraform.

PETIKO — Brazil (Remote)

Full Stack Developer | Jul 2024 – Jul 2025

Subscription-based e-commerce with approximately 20,000 active subscriptions.

- Identified and fixed critical checkout vulnerabilities — account takeover, a flaw allowing purchases with cloned cards, and stored XSS — by hardening server-side controls, input sanitization and output escaping.
- Refactored and maintained the subscription system responsible for roughly 20,000 active subscriptions and the majority of the company's revenue.
- Integrated 3 payment gateways (Pagar.me, E-Rede, MaxiPago), 3 ERPs (Magento 2, Bling, Omie) and shipping/tracking services into the subscription core.
- Modernized internal admin pages through migration and redesign, cutting 10 to 30 seconds off page load time.
- Optimized the MySQL database with relational modeling, indexing and advanced query rewrites to sustain subscription volume.
- Designed and implemented unit and integration tests with PHPUnit, increasing release reliability for the subscription module.
- Administered Linux environments over SSH with NGINX and Supervisor for queues and background processes, running deployments and production maintenance.
- Acted as frontend and subscription-checkout technical reference, running code reviews and aligning scope with stakeholders in Scrum/Kanban squads.

Projects: Recurring Purchases — automated subscription scheduling and billing, removing hours of manual operations. Loyalty Program — automatic tier and coupon generation from shipping history. Gift Automation — automatic gift assignment and electronic invoice module adjustments.

Stack: PHP, Laravel 5–11, Vue.js 2/3, TypeScript, Pinia, PHPUnit, Microservices, MySQL, Redis, AWS S3, NGINX, Supervisor, Linux.

PETIKO — Brazil (Remote)

Junior Full Stack Developer | Apr 2023 – Jul 2024

- Built and maintained the subscription checkout flows in Laravel and Vue.js, the platform's primary revenue entry point.
- Delivered features, refactors and fixes across internal dashboards used by the operations team.
- Set up sandbox environments and ran SSH deployments, expanding the team's testing autonomy.

DOMESTILAR LTDA — Brazil

Junior Full Stack Developer | Sep 2022 – Apr 2023

- Built web systems in PHP/Laravel and Vue.js consuming RESTful APIs.
- Evolved the customer service record (RAC) module, making the support workflow more dynamic and reducing agent effort when opening and following up on tickets.
- Developed dashboards in Python (Flask) and refactored Java Swing desktop applications.

Stack: PHP, Laravel, JavaScript, Vue.js, Python, Flask, Java, Java Swing, SQL Server, Git.

TECHNICAL SKILLS

Profile: Back-end / Full Stack (Fullstack) Developer focused on PHP and Laravel. **Languages:** PHP (7.2 to 8.4), JavaScript, TypeScript, Python, Java, SQL.

Backend: Laravel (v5–v11), CakePHP, REST APIs, Microservices, Multi-tenant architecture, Message queues, Jobs and workers, JWT, Node.js, Express, Flask, High availability, Scalability, Performance tuning, Design Patterns (OOP, Service, Repository, Facade), SOLID, Clean Code.

Frontend: Vue.js (v2 and v3), Pinia, React, Inertia.js, HTML5, CSS3. **Databases:** MySQL, PostgreSQL, SQL Server, MongoDB, Redis, relational modeling, indexing and query optimization.

Testing & Quality: PHPUnit, automated testing, unit testing, integration testing, end-to-end testing, TDD, test coverage, regression testing, code review.

DevOps & Infrastructure: Docker, CI/CD, GitLab CI, Git, Linux, SSH, NGINX, Supervisor, AWS S3, Terraform.

Observability: New Relic, Graylog, Grafana, Elastic APM, log analysis and incident response.

Application Security (AppSec): OWASP Top 10, SQL Injection, Cross-Site Scripting (XSS), IDOR, Broken Access Control, privilege escalation, account takeover, white-box analysis, HTTP header analysis, Burp Suite, Kali Linux.

Integrations: Payment gateways (Pagar.me, E-Rede, MaxiPago), ERPs (Magento 2, Bling, Omie), internal and external APIs, Google Cloud Speech-to-Text and Text-to-Speech.

Methodologies & Tools: Scrum, Kanban, SDLC, Jira, GitLab, AI-assisted development (Claude Code, Cursor AI).

PROJECTS

project-amaterasu — private repository | Python, ChromaDB, MCP, Docker

Offensive security agent with local RAG: ChromaDB-indexed knowledge base, tool arsenal behind a fail-closed scope gate and a resumable phase pipeline.

quest-leveling — private repository | Laravel 11, Vue 3, Inertia, PostgreSQL

Gamified productivity app, with the domain split into services and DTOs and LLM task classification behind its own interface.

Pure PHP REST API — github.com/LucasFrts/pure-php-rest-api | PHP 8.3, PHPUnit, Docker, MySQL

Framework-free REST API: PSR-11 service container with Reflection-based autowiring, custom router, service layer, repositories and unit and integration tests.

Laravel Multitenancy — github.com/LucasFrts/laravel-multitenancy | Laravel 11, TALL Stack, SQLite

Multi-tenancy with a database per tenant, created and migrated automatically on user signup.

mercurius-js — github.com/LucasFrts/mercurius-js | TypeScript, BullMQ, Redis, Jest, Docker

Webhook worker in Clean Architecture: exponential backoff, retry limits and a dead-letter queue.

EDUCATION

Centro Universitário UniFatecie — Technology Degree in Systems Analysis and Development | Jan 2025 – Jun 2026 (completed)

IFSuldeMinas (Federal Institute of Southern Minas Gerais) — Technical Degree in Systems Development | Aug 2023 – Mar 2025 (completed)

CERTIFICATIONS

Laravel — Unit & Feature Test Advanced Practices (Udemy, 2025) | Unit Testing and TDD with PHP and PHPUnit (Udemy, 2025) | Front-End Programming Professional Qualification (SENAI, 2023)

Web Systems Design (Federal Institute of Rio Grande do Sul, 2023) | Database Administration (Federal Institute of Tocantins, 2020) | Data Security Professional Development (SENAI, 2020) | Cybersecurity: from Zero to Kali Linux — Ethical Hacker (Udemy, in progress)

LANGUAGES

Portuguese: Native. English: Intermediate (technical reading and writing).