

GUSTAVO RODRIGUES PINTO

SOFTWARE ENGINEERING | ENVIRONMENTAL ENGINEERING & GIS

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PROFESSIONAL SUMMARY

Multidisciplinary professional combining 7+ years in software development with 6 years of experience in Environmental Engineering, geoprocessing, and Geographic Information Systems (GIS). Builds web platforms, APIs, integrations, technical maps, spatial analyses, and field-based environmental solutions. Strong expertise in PHP, Laravel, QGIS, data organization, and translating complex operational or spatial requirements into reliable deliverables. Experienced in international remote work and environmental and mining projects across Paraíba, Rio Grande do Norte, and Pernambuco.

CORE SKILLS

Languages: PHP, SQL, JavaScript, TypeScript, HTML, CSS

Backend: Laravel, RESTful APIs, authentication and authorization, RBAC, multi-tenancy, webhooks, queues, scheduled jobs, file imports/exports

Laravel ecosystem: Livewire, Inertia.js, Laravel Nova, Filament, Cashier, Horizon, Sanctum, Laravel Actions, Laravel Excel, Scribe

Data: MySQL, PostgreSQL, SQLite, Redis, data modeling, query optimization

Frontend: Vue 3, Tailwind CSS, Vite

Integrations: Stripe, Mirakl, Mapbox, external REST APIs, FTP/SFTP workflows

Quality and delivery: PHPUnit, API testing, Git, GitHub Actions, Docker, Composer, Postman, Scrum

GIS and cartography: QGIS, spatial analysis, technical cartography, coordinate systems, thematic mapping, remote sensing

Field and environmental: Field prospecting, site visits, drone mapping, survey data, land-use classification, environmental and mining licensing support

Regulatory context: ANM, SUDEMA, SUDENE, IDEMA, technical documentation, geological and mineral-research mapping

SOFTWARE DEVELOPMENT EXPERIENCE

SoipoServices

Backend / Full-Stack Developer

Remote | Estonia

Jun 2019 - Present

- Design, develop, and maintain Laravel applications and secure RESTful APIs for SaaS, marketplace, asset-management, agricultural, certification, and business-operations products.
- Build backend features including multi-tenant data boundaries, role and permission systems, subscription lifecycles, payment webhooks, scheduled processes, queues, notifications, and report exports.
- Integrate external services and data providers, handling authentication, retries, status synchronization, idempotency, file exchanges, and error recovery.
- Model and optimize MySQL and PostgreSQL data structures, troubleshoot production issues, and improve application performance; an earlier optimization reduced load time by approximately 50%.
- Write testable, maintainable code and collaborate remotely with developers, designers, product stakeholders, and clients from requirements through release.
- Mentor incoming developers, review implementation approaches, and help translate business needs into practical technical tasks.
- Contributed to company growth during tenure, with the client base increasing approximately fourfold.

SELECTED BACKEND PROJECT EXPERIENCE

Multi-tenant SaaS and billing: Implemented plan management, Stripe Checkout and webhook flows, manual subscriptions, cancellation-at-period-end access, expiry jobs, and subscription notifications using Laravel Cashier.

Marketplace order integration: Built Mirakl order import, status synchronization, invoice-link updates, CSV exports, cache-backed mappings, scheduled processing, and queue-based workflows for high-volume operational data.

SELECTED SOFTWARE PROJECTS

Asset monitoring platform: Developed backend workflows for admin and portal users, permission-controlled access, assets and dossiers, QR-code identification, reporting, and operational documentation.

ADDITIONAL PROJECT EXPERIENCE

Agricultural and geospatial platform: Implemented cadastral-group and unit workflows, geometry persistence, Mapbox drawing integration, vegetation-index configuration, user-specific events, and external API endpoints.

Certification and form workflows: Developed permission-aware Laravel and Livewire processes for submissions, reviews, approvals, technician/client signatures, document validation, and status-driven actions.

Supplier data processing: Created queue-based importers for large supplier files and FTP/SFTP connectors, with background processing and operational error handling.

Events and scheduling: Built event APIs and calendar workflows with attendee relationships, cadastral-group filtering, per-user visibility, recurring schedules, and overlap protection.

External API and documentation: Delivered endpoints for regions, provinces, cities, and postal codes, including search and resolution flows, validation, and Scribe-generated API documentation.

Travel and booking integrations: Worked on backend search, availability, pricing, and booking workflows connected to external travel providers and on property-booking/subscription experiences.

PUBLISHED SOFTWARE PORTFOLIO

Fractional Living: PropTech co-ownership marketplace and operational platform built with Laravel, Filament, MySQL, and Hetzner.

Reica: Generative-AI platform for realistic brand and e-commerce photoshoots, supported by Laravel, Vue.js, AWS, and MySQL.

Tripster: Travel ecosystem for tour discovery, booking, and operator management across web and mobile, using Laravel, Flutter, AWS, and DigitalOcean.

Basysup: Web and mobile business-intelligence platform that turns operational data into clearer decisions, using Laravel, Vue.js, MySQL, and DigitalOcean.

TourBuilder: API-driven editor for immersive augmented-reality tours, using Laravel, Vue.js, PostgreSQL, and AWS.

ImtSense: IoT application and backend for device monitoring and infrastructure maintenance, using Laravel, Flutter, MySQL, and DigitalOcean.

ENVIRONMENTAL ENGINEERING & GIS EXPERIENCE

Six years using QGIS, field surveys, drone mapping, spatial analysis, and technical cartography to support mining legalization and environmental decision-making across Paraíba, Rio Grande do Norte, and Pernambuco. Experience includes more than 100 approved projects and technical work associated with ANM, SUDEMA, SUDENE, and IDEMA processes.

- Conduct field prospecting, site visits, survey planning, coordinate collection, and organization of technical field data.
- Produce drone-based mapping and survey outputs for spatial interpretation, documentation, and project planning.
- Prepare maps, plans, profiles, and supporting documentation for mineral research, mining legalization, and environmental licensing.
- Integrate official geoscientific sources, mining polygons, coordinate systems, and field observations into decision-ready QGIS projects.
- Create land-use and land-cover classifications covering dense vegetation, sparse vegetation, exposed soil, and licensed mining areas.
- Develop geological detail plans, drill sections, profiles, overburden analyses, and cartographic outputs for technical reports.

SELECTED ENVIRONMENTAL & GIS WORK

Environmental classification: Thematic mapping of dense vegetation, exposed soil, and sparse vegetation within licensed mining areas, using QGIS, remote sensing, land-use analysis, and licensing data.

Geological detail plans: Detailed spatial planning of geological sections and field points to support mineral research and regulatory documentation for ANM-related processes.

Geological mapping: Integration of CPRM/SGB geoscientific sources, mining polygons, coordinate systems, and spatial analysis into technical maps.

Profiles and drill sections: Technical maps combining survey points, geological profiles, drilling depths, overburden analysis, drone mapping, and field data.

CORE STRENGTHS

- Backend ownership from requirements and architecture through deployment and production support
- Clear communication in remote, cross-functional, and international teams
- Fast learner with strong curiosity and adaptability across unfamiliar domains
- Practical problem solving, accountability, and attention to maintainability

EDUCATION

Federal University of Campina Grande (UFCG)

Bachelor's Degree in Environmental Engineering | 2009 - 2016

LANGUAGES

Portuguese: Native or bilingual proficiency

English: Working proficiency