

# Gabriel de Rezende Gonçalves

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## Professional Experience

### Software Engineer at levva

*July 2025 – Present*

- Led end-to-end development of the Agricultural Machinery Insurance module, delivering 51+ PRs across full-stack architecture using Laravel/PHP, Angular 15, and legacy system integrations
- Automated synchronization with legacy systems, eliminating ~20 hours/week of manual work through bidirectional scheduled commands, heterogeneous data mapping, intelligent deduplication, and commercial management APIs
- Implemented full multi-tenant architecture with licensing system for multiple clients and commercial channels, regional coverage rates (National, State, City), and support for multi-year policies (2–5 years) with progressive coefficients and complex conflict validations
- Built a complete quotation system with expiring drafts, preventive notifications, automatic cancellation of expired quotes, and PDF generation of authorization terms, reducing data loss by 40%
- Developed statistics and KPI dashboards with conversion, churn, and status distribution metrics, monthly summaries, and optimized aggregate queries for near real-time decision making
- Implemented internal notification system and automated emails on status changes and draft expirations, using Observer Pattern with professional templates and role-based segmentation
- Designed and delivered 40+ documented REST endpoints with full Swagger/OpenAPI specs, request/response examples, robust validation, standardized pagination, and error handling
- Optimized Azure CI/CD pipelines, reducing build time by 40% and memory usage by 50%, resolving critical OOM failures via npm caching and Webpack tuning
- Built an administrative interface with Angular 15, including persistent and shareable draft URLs, editable multi-select coverage configuration, intelligent redirects, and critical UX bug fixes

- Implemented 15+ domain models, 5+ scheduled commands, Service Layer and Repository Pattern across features, with Application Insights tracking, versioned migrations, and complex relationships
- Standardized technical documentation with complete Swagger examples, onboarding guides, and PR-level documentation to improve maintainability
- Integrated external CRM and insurer platforms using established design patterns (Service Layer, Repository, Observer, Command), achieving zero critical production bugs

### **Junior Software Engineer at Encora Inc.**

*January 2023 – April 2025*

- Full-stack development and maintenance with a focus on scalability, performance, and code quality in projects built under microservices architecture and agile methodologies (Scrum).
- Development and integration of RESTful APIs using Python (FastAPI), with SQLAlchemy, PostgreSQL, and Alembic for database versioning.
- Building and consuming independent services in a distributed ecosystem, emphasizing modularity, integration, and security.
- Environment management with Docker and Docker Compose, implementing automated CI/CD pipelines.
- Frontend development with Vue.js (Composition API) and JavaScript, using TypeScript in specific components.
- Maintenance and refactoring of legacy systems in PHP (Laravel), integrating with modern services and driving continuous improvements.
- Writing and maintaining automated tests with Pytest (backend) and Playwright (frontend), ensuring coverage and reliability across multiple environments.
- Implementation of performant and customized search features using Algolia.
- Active participation in agile squads, contributing to technical reviews, standards definition, and architectural decisions.
- Use of tools like Jira, Trello, and GitHub for task management, version control, and collaboration in iterative delivery cycles.

### **Software Development Intern at Encora Inc.**

*February 2021 – January 2023*

- Contributed to internal solutions focusing on modern architecture, scalable APIs, and web applications using widely adopted enterprise technologies.
- Developed RESTful APIs with Node.js and Python (FastAPI), integrating with PostgreSQL and MySQL databases.

- Implemented authentication and business logic using Firebase (Auth, Realtime Database, Firestore).
- Created web applications with Vue.js and React, focusing on componentization and API integration.
- Used Swagger for service documentation and supported integration between teams.
- Collaborated in repository organization, code standardization, and technical requirement validation across various internal projects.

### **Software Development Intern at OpaBox**

*June 2019 – February 2021*

- Responsible for developing white-label solutions for B2C e-commerce platforms, delivering custom websites and apps for clients from various industries.
- Built web applications using Vue.js and mobile apps using Flutter, reusing components across different instances.
- Developed APIs in a microservices architecture using Node.js and AWS services like Lambda, API Gateway, SQS, CloudWatch, and DynamoDB.
- Customized logic and layouts to meet client-specific requirements.
- Integrated external services and enforced code standardization in a multidisciplinary team.
- Strong collaboration with technical and product teams in delivering scalable solutions under high demand.

### **Software Development Intern at SuperOpa**

*June 2019 – February 2021*

- Contributed to the development of a multisector marketplace connecting distributors and retailers (supermarkets, pharmacies, pet shops) to end consumers.
- Developed web solutions with Vue.js and mobile apps with Flutter, integrated with Node.js-based microservices.
- Built and consumed APIs using AWS Lambda, API Gateway, CloudWatch, SQS, and DynamoDB.
- Documented APIs with Swagger and supported both frontend and backend teams.
- Collaborated with product, design, and business teams to deliver features aligned with business needs.
- Worked in a fast-paced startup environment with rapid delivery cycles, continuous feedback, and customer-oriented solutions.

## **Education**

### **FIAP**

Postgraduate Lato Sensu – MBA in Solutions Architecture | *April 2025 – April 2026 (in progress)*

Postgraduate program focused on designing and implementing scalable solutions, covering cloud computing, microservices, system integration, security, data, and technical leadership.

### **Pontifícia Universidade Católica de Campinas**

Bachelor's Degree in Software Engineering | *2019 – 2023*

Comprehensive education in software development, data structures, requirements engineering, code quality, agile methodologies, and DevOps practices.

### **Escola Técnica Estadual "Bento Quirino"**

Integrated Technical Program in Computer Science | *January 2016 – December 2018*

Practical training in programming logic, web development, computer networks, databases, and operating systems.

## **Language**

**English** - Advanced

**Spanish** - Technical / Basic

**Portuguese** - Native

## **Additional information**

### **Exchange Program – Canadian College of English Language (CCEL)**

*July 2022 – Vancouver, Canada*

Intensive English course focused on technical language and professional oral communication in international environments.

## **Technical skills**

### **Backend**

Python (FastAPI), Node.js (Express.js), PHP (Laravel), Java

### **Frontend**

Vue 3 (Composition API), React, Next.js, Angular, TypeScript, Nuxt.js, JavaScript (ES6+), HTML5, CSS3/Sass

### **Mobile**

Flutter, React Native

### **Architecture**

Microservices, Serverless, Clean Architecture, DDD (Domain-Driven Design), Event-Driven Architecture, TOGAF, BPMN, Service Layer Pattern, Repository Pattern, Observer Pattern

### **APIs**

RESTful, GraphQL, gRPC, OpenAPI/Swagger

### **Cloud Providers**

AWS (Lambda, SQS, API Gateway, CloudWatch, S3, EC2), Azure, Firebase, GCP

### **Containerization**

Docker, Docker Compose, Kubernetes

### **Infrastructure and DevOps**

Docker, Kubernetes, PM2, KVM, Linux, Terraform, Ansible

### **CI/CD**

GitHub Actions, GitLab CI, Jenkins, Azure Pipelines

### **Databases and Streaming**

PostgreSQL, MySQL, SQLite, MongoDB, DynamoDB, Firestore, Redis, Kafka, Kinesis, Debezium, Hadoop

### **ORMs**

SQLAlchemy, Eloquent, Prisma

### **Caching**

Redis, Memcached

## **AI and Analytics**

Applied Machine Learning, LLMs, AI for Product and Automation, Data Analysis

## **Integrations and APIs**

RESTful APIs, GraphQL, Swagger/OpenAPI, Okta, Form.io, Algolia, Stripe, AWS Services

## **Testing and Quality**

Pytest, PHPUnit, Jest, Playwright, Cypress, Testing Library, Postman, Insomnia, Mailtrap

## **CI/CD and Observability**

GitHub Actions, GitLab CI, Jenkins, Azure Pipelines, Datadog, Sentry, CloudWatch

## **Management and Methodologies**

Git, GitHub, GitLab, Bitbucket, Jira, Trello, Confluence, Notion, Linear, Figma, Adobe XD, Agile (Scrum/Kanban), OKRs, KPIs, Code Review, Pair Programming

## **Documentation**

Swagger, Confluence, GitBook