# Gabriel de Rezende Gonçalves

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## **Professional Experience**

### Software Developer at Encora Inc.

January 2023 – Present

- 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**

# **Technologies and Frameworks**

Vue 3 (Composition API), JavaScript (ES6+), TypeScript, Python (FastAPI), Node.js, Express.js, React, Flutter

### **Architecture and APIs**

RESTful APIs, Microservices Architecture, Serverless (AWS Lambda, API Gateway), Firebase, Form.io, Okta, Algolia

### Cloud and DevOps

Docker, Docker Compose, AWS (Lambda, SQS, API Gateway, CloudWatch, S3), Firebase Hosting, CI/CD (GitHub Actions)

#### **Databases and ORMs**

PostgreSQL, MySQL, MongoDB, Firebase Realtime Database, Firestore, Amazon DynamoDB, SQLAlchemy, Alembic

## **Testing and Quality**

Pytest (unit/integration), Playwright (E2E), Swagger/OpenAPI, Postman, Mailtrap

## **Tools and Methodologies**

Git, GitHub, Jira, Trello, Figma, Agile (Scrum/Kanban), Code Review, Technical Documentation