

Felipe Gonçalves Denardo

Senior Backend Engineer

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Professional Summary

Senior Backend Engineer with over 8 years of experience building distributed systems and microservices architectures. Specialist in **Golang** and **Java**, with a focus on high availability and resilience. Extensive experience applying **Clean Architecture** principles, prioritizing the decoupling of business logic and infrastructure independence to ensure highly testable and maintainable systems. Complementary **frontend** experience, ensuring seamless end-to-end integrations.

Technical Highlights

- **Performance & Optimization:** Proven track record of resolving critical bottlenecks, achieving up to **80% reduction in API response times**. Applying in query tuning, strategic Redis caching, and payload optimization and data integrity via DTOs, ensuring high-throughput data efficiency.
- **Event-Driven Architecture:** Specialized in implementing asynchronous messaging with RabbitMQ to decouple services, resulting in a **~96% reduction in batch processing times** and significantly improved system scalability.
- **Product Vision:** Strategic collaborator with stakeholders, adept at translating complex business requirements into robust, scalable, and maintainable technical architectures.

Technical Skills

Backend: Golang, Gin Gonic, Java 8+, Spring (Boot, Data, Security), ORM (GORM & Hibernate), Groovy/Grails, JWT, Swagger/OpenAPI, JSF, REST APIs, Microservices, Shared Libraries Development and Hexagonal/Clean Architecture.

Databases & Messaging: PostgreSQL, MySQL, SQL Server, Redis, RabbitMQ, Event-Driven Architecture and Elasticsearch.

DevOps & Cloud: Docker, Docker Compose Mult-Service AWS (IAM, S3, EC2), Linux and Git.

Core Competencies: Clean Code, SOLID, Strongly Typed Domain, Scrum, Kanban, Data Modeling, Performance Tuning and JSEND Pattern.

Frontend: Vue.js, Angular 2+, TypeScript, JavaScript, PrimeFaces, Bootstrap and Material Design.

Languages: Portuguese (Native), English (Elementary/A2 – Currently studying).

Experiência

Senior Backend Engineer - CWS Platform.

Feb/2020 - Present

- **Architecture & Design:** Technical lead in **Golang** microservices development, applying **Clean Architecture** principles to decouple business domains from infrastructure, significantly increasing test coverage and ecosystem maintainability.
- **Performance Optimization:** Achieved an **80% reduction in API latency** by refactoring inefficient logic, optimizing **MySQL** queries (index analysis and execution plans), and implementing strategic caching with **Redis**.

- **High-Availability Systems:** Engineered a two-phase (light/heavy) asynchronous pipeline for SKU spreadsheet imports using **RabbitMQ** and staging areas, slashing effective processing time by ~96% (from ~50s to 2s) and eliminating database timeouts/locks.
- **Search & Data (Elasticsearch):** Optimized search queries and reindexing strategies in **Elasticsearch**, significantly improving both search relevance and system throughput.
- **Modernization & Leadership:** Reduced technical debt in legacy systems and raised the engineering bar through **technical mentorship** and rigorous **Code Reviews**, fostering a culture of high-quality code.
- **Full-Stack Integration:** Developed dynamic interfaces using **Vue.js** and **React**, ensuring seamless integration between frontend applications and **Go/Groovy APIs**.
- **Stack:** Golang (GORM), Groovy/Grails, PostgreSQL, MySQL, Redis, RabbitMQ, Docker, Elasticsearch, AWS S3, Vue.js, React.

Mid-Level Full Stack Developer - BRQ Digital Solutions.

Jul/2018 - Feb/2020

- **Unicesumar Client:** Worked on the "Studeo" academic portal, developing high-complexity modules with **Java (Spring Framework)** and **Angular**. Focused on user experience and academic data integrity.
- **Bradesco Client:** Executed evolutionary maintenance of critical financial systems using **Java** and **JSF**. Focused on stability, security, and compliance with banking business rules.
- **Stack:** Java, Spring Boot, Hibernate, Angular, JSF, MySQL, AWS S3.

Junior Full Stack Developer - Velti Tecnologia.

Mar/2018 – May/2018

- **Development & Modernization:** Full Stack role on the "Velti Ponto" system. Responsible for maintaining and implementing new features in legacy code using Java and JSF, and participated in the initial migration phase to Angular.
- **Stack:** Java, Spring, JSF, Angular, MySQL.

Junior Full Stack Developer - MobileSys.

Sep/2016 – Feb/2018

- **Full Stack Development:** Implemented new features and bug fixes for the "TradePRO Promoter" system using Java (Spring Framework) and JSF.
- **Data & Contributions:** Collaborated on database modeling and query optimization. Implemented complex reports with Apache POI and developed modules for field data collection and point-of-sale task execution.

Web Development Intern - BRQ Digital Solutions.

Jun/2016 - Sep/2016

- **Training & Development:** Completed a 3-month intensive Web Development bootcamp, focusing on Java and JavaScript fundamentals.
- **Technical Scope:** Period dedicated to technical training and ensuring readiness to support enterprise development teams.

Education

B.S. in Information Systems – Unibrasil | 2013 – 2018