

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