GUILHERME BECKMAN OLIVEIRA AGUERO

Email: guilhermebeckman3@gmail.com | LinkedIn: linkedin.com/in/guilherme-beckman | Phone: +55 (67) 9 9102-5723

GitHub: github.com/Guilherme-Beckman

Portfolio: guilherme-beckman.vercel.app/about-me

SUMMARY

Software Developer pursuing a degree in Systems Analysis and Development, with a strong focus on Java Backend, microservices, cloud, and infrastructure. Hands-on experience with Spring Boot, distributed architecture, containers, API Gateway, messaging, and AI-assisted development. Curious, resilient, results-oriented profile with a high capacity for continuous learning.

EXPERIENCE

FullStack Developer | ACAOX Contabilidade — Dec 2025 to Present

ACTUS — Accounting Validation Engine

- Designed and built from scratch a full-stack accounting validation platform with **Java 21, Spring Boot 4, and Angular 20**, processing PDF, Excel, and CSV documents
- Architected a CSV-based rule engine with **284+ structured validation rules** for balance sheets and ledgers, with inconsistency detection by severity (Error, Warning, Alert)
- Implemented a 7-step company registration workflow with complete tax profiles and **Chart of Accounts** import supporting 1,800+ records
- Built real-time analytics dashboard with KPIs, interactive charts (**Chart.js**), and automated PDF report generation for auditing
- Engineered access control layer with **JWT and Spring Security**, supporting multi-tenant user management
- Managed **36 database migrations** via Flyway on PostgreSQL across 296+ commits with production deployment using Docker
- Accelerated frontend development using **AI tools** (Claude Code, Codex), focusing my time on system design, backend architecture, and validation logic

AI-Powered Accounting Rule Generator

- Developed a rule generation system with **RAG architecture** using **Google Gemini 2.0 Flash** and **ChromaDB** as vector store
- Built complete ETL pipeline: automated collection of CPC accounting standards, semantic chunking, embeddings via **sentence-transformers**, and structured CSV output
- Engineered prompt templates with accounting context injection, generating **200–300 validated rules** per execution at zero cost
- Designed the system for extensibility — configurable account categories, pluggable LLM backends (Gemini, Claude, GPT), and tunable parameters via YAML

Server Infrastructure & FullStack Development Intern | LIADS - IFMS — Apr 2025 to Present

- Worked at **LIADS** in the **infrastructure** department
- Configured an **on-premise server from scratch**, planned to support a **microservices architecture**
- Implemented an **API Gateway with Kong**, integrated with a **DNS resolver via Consul** for IP mapping and inter-service communication
- Used **Ubuntu Server, Docker, and Docker Compose** for containerization and service management

Research Project Contributor | IFMS — Sep 2025 to Present

- Developed a **facial recognition system** for access control
- Used **Python, OpenCV**, and the **face_recognition** library
- Implemented **webcam image capture** and comparison with local database
- Logged **access attempts** in a **PostgreSQL** database

Personal Projects

- **MySell** — Sales app with **Spring Boot WebFlux, Angular, and Ionic**, including **JWT authentication**, social login, PDF reports, and sales history
- **Bird Pantanal Photo Gallery** — Digital gallery of Pantanal birds, built with **Spring Boot, Java 17, Angular, PostgreSQL**, and hosted on **AWS (EC2, S3, and RDS)**
- **Online Order Management System** — Microservices-based restaurant ordering system built with **Java, Spring Boot, MongoDB, RabbitMQ, and Docker**

EDUCATION

Cloud Computing Course | AWS re/Start Program | 09/2025 to 12/2025
- **Modules:** Cloud Foundations, Linux, Networking, Introduction to Security, Python Programming, Databases, AWS Jumpstart, AWS Jumpstart Advanced, AWS Advanced Skills: Artificial Intelligence

Systems Analysis and Development Degree | IFMS | 03/2025 to 11/2027
- **Modules:** Software Engineering, Databases, Object-Oriented Programming, Web Application Development, Data Structures, Systems Analysis, Software Architecture, Computer Networks, and Software Testing

Internet Computing Technician | SENAI - Corumbá, MS | 03/2022 to 11/2024
- **Modules:** Relational and Non-Relational Databases, Systems Modeling, Web Development, Automated Testing, Systems Deployment and Maintenance, and Algorithms

SKILLS

- **Languages:** Java, Python, PHP, JavaScript, TypeScript, SQL, HTML, CSS, Golang
- **Technologies:** Spring Boot, Spring Security, Angular, PostgreSQL, MongoDB, FlywayDB, Docker, Microservices, Nginx, RabbitMQ, API Gateway, Consul, Kong, AWS, FastAPI, Git, GitFlow
- **AI Tools:** Claude Code, Codex, MCP Servers, Google Gemini API, RAG, ChromaDB, prompt engineering
- **Languages:** Native Portuguese and Advanced English