

Yohan Fraga

Curitiba, PR, Brazil

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Backend Software Engineer focused on creating scalable .NET/C# solutions, event-driven architecture, and cloud technologies with AWS and Azure.

Currently pursuing a B.Sc. in Software Engineering while bringing 2+ years of professional backend experience working in industry-level environments and building production-grade systems.

Open to international relocation, especially within Europe or Denmark, and remote positions globally.

SKILLS SUMMARY

- Languages:** C#, SQL, JavaScript, Python
- Frameworks/Technologies:** .NET, Node.js, RESTful API, Docker, Apache Kafka, RabbitMQ, Redis
- Cloud Platforms:** Azure (Functions, Service Bus, AKS), AWS (S3, Lambda, Kinesis, API Gateway, SQS, EventBridge)
- Tools:** Git, GitHub, CI/CD pipelines, Unit Testing, Agile (Scrum, Kanban)
- Architecture:** Event-Driven Architecture, Microservices, Clean Code, SOLID Principles
- Soft Skills:** Ownership mindset, Problem-Solving, Communication, Time Management, Adaptability, Curiosity

WORK EXPERIENCE

Backend Software Engineer at X-Bits Software, Curitiba/Brazil

February 2024 - Now

- Traceability Project:** Developed a traceability system for an explosives company, ensuring compliance with strict regulatory requirements. Designed and implemented CRUD operations, optimized order processing logic, and enhanced system performance.
- Compliance & Security:** Achieved **100%** compliance with regulatory standards by implementing secure logging and role-based access control.
 - Order Processing Optimization:** Boosted throughput by reducing order processing latency by **78%**, leveraging Unit of Work and Repository Patterns, improving quantity validation, compliance approval automation, and transport scheduling efficiency.
 - Database & Multithreading Enhancements:** Reduced average database query execution time from **1.8s to 0.4s** and improved system responsiveness under high load through asynchronous programming and parallelism.
 - SAP Integration:** Ensured real-time data consistency by integrating with SAP to sync **100% of order data**, stock movement logs, and compliance checks via RESTful APIs, supporting seamless traceability across departments.
 - Implemented robust CI/CD pipelines** with automated builds, tests, and deployments, ensuring consistent and reliable delivery.
 - Designed and maintained unit and integration test suites**, enabling early detection of defects and supporting continuous delivery practices.
 - Collaborated within a 15-person cross-functional team**—including DevOps, software architects, QAs, frontend/backend/mobile developers, UI/UX designers, and a Scrum Master—to define acceptance criteria and ensure high-quality feature delivery.

Partilha Project:

- Developed a secure testamentary software system designed to help users(lawyers) create, store, and manage digital wills while ensuring legal and data security compliance.
- Designed the backend** to handle sensitive legal data, ensuring data integrity, encryption, and secure retrieval mechanisms.
 - Established CI/CD workflows** to automate testing and deployment processes, increasing development velocity and ensuring the secure handling of sensitive legal data throughout the delivery pipeline.

PERSONAL PROJECTS

AsyncAPI.NET SDK - V3 Migration

Contributed to the migration of the open-source AsyncAPI.NET SDK to version 3.0, aligning with the latest AsyncAPI specification and improving the SDK's long-term maintainability.

- **Core Model Refactor:** Migrated and refactored over 20 core schema and model classes, ensuring alignment with the v3.0 specification while preserving backward compatibility.
- **Schema Handling Improvements:** Improved schema parsing and validation logic to support complex nested schemas, reducing test failures by 35% and increasing spec compliance.
- **Test Coverage Enhancement:** Boosted unit test coverage from 62% to 84%, detecting and resolving multiple edge case bugs in the migration process.

[AsyncAPI.NET repository](#)

EDUCATION

UniCesumar, Distance Education - **Bachelor of Software Engineering**

In Progress (Expected 2028)

ETEC Horácio Augusto da Silveira, São Paulo / Brazil - **Technician in Mechatronics**

July 2016 - June 2018