

# FABIO FARIA

Fullstack Developer | Backend & AI Systems

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## PROFESSIONAL SUMMARY

Software engineer with 5+ years of experience building scalable backend systems and generative AI solutions. Expertise in eventdriven architectures with Apache Kafka and AWS, designing RESTful APIs with .NET and Python, and developing LLM-powered systems including RAG pipelines, benchmarking services, and AI agents. Proven track record migrating legacy systems to modern stacks, implementing contract testing in CI/CD pipelines, and delivering developer productivity tools. Seeking roles in backend engineering, AI/LLM systems, and distributed systems.

## TECHNICAL SKILLS

**Languages:**C#, Python, TypeScript, JavaScript

**Backend:**.NET Core, FastAPI, Django, Node.js, NestJS, REST APIs, GraphQL, gRPC, Web API

**Frontend:**React.js, Next.js, Angular, HTML5, CSS3

**Cloud & DevOps:**AWS (Lambda, SQS, ECS, CloudFormation, S3), Docker, Terraform, Azure DevOps, CI/CD, Git, GitHub Actions

**Data & Messaging:**PostgreSQL, MongoDB, SQL Server, Redis, Apache Kafka, Amazon SQS, Entity Framework, SQLAlchemy, Prisma ORM

**AI / LLM:**RAG, LLM Benchmarking, AI Agents, Prompt Engineering, Azure Cognitive Search, LangChain, OpenAI API

**Architecture & Practices:**Clean Architecture, CQRS, Event-Driven Design, Microservices, Distributed Systems, TDD, Domain-Driven Design

**Testing & Observability:**Pytest, xUnit, Pact, PactNet, Pact Broker, Contract Testing, Datadog, Unit Testing, Integration Testing

## WORK EXPERIENCE

### Backend Developer | Zup / Itaú

Sep 2024 - Present | Remote, Brazil

- Develop and maintain RESTful APIs using .NET (C#) with Clean Architecture and SOLID principles for banking systems.
- Build serverless functions with AWS Lambda (Python/C#), delivering scalable event-driven solutions.
- Led rollout of contract testing using Pact, PactNet, and Pact Broker across non-production environments.
- Developed AI agents with RAG and knowledge sources, streamlining workflows and reducing delivery time.
- Implemented Apache Kafka triggers for AWS Lambda and optimized SQS workers for high-throughput async processing.
- Integrated Datadog for API monitoring, log analysis, and alerting, improving system observability.

### Fullstack Developer | DATASIDE

Sep 2023 - Sep 2024 | Remote, Brazil

- Architected a Personal RAG system for document ingestion using Python and FastAPI, enabling conversational document querying.
- Led development of an LLM benchmarking service using Chain of Responsibility pattern for automated model evaluation.
- Built integrations with Hangfire task manager, orchestrating data ingestion pipelines interfacing with LLM services.

### Fullstack Developer | OTG

Oct 2022 - Sep 2023 | Rio de Janeiro, RJ

- Migrated legacy WebForms services to modern Node.js/TypeScript APIs, improving maintainability and performance.
- Led rewrite of the Renalegis system — a legislative screening platform used by CNC for government relations.
- Integrated Chamber of Deputies and Senate APIs for automated ingestion of legislative projects and bills.
- Built front-end interfaces with React.js and Next.js for government monitoring tools serving 200+ users.
- Developed system integrated with Brazil's Official Gazette to monitor executive actions affecting CNC and unions.

## EDUCATION

### Associate Degree in Systems Analysis and Development

Mar 2021 - Dec 2023

Estácio de Sá University — Rio de Janeiro, RJ

### Fullstack Software Development Bootcamp

Aug 2021 - Feb 2022

Labenu — Rio de Janeiro, RJ