

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 event-driven architectures with Apache Kafka and AWS, RESTful APIs with .NET and Python, and LLM-powered systems including RAG pipelines, benchmarking services, AI agents, LangGraph multi-agent workflows, and Amazon Bedrock Guardrails. Proven track record migrating legacy systems, implementing contract testing in CI/CD pipelines, and delivering developer productivity tools.

TECHNICAL SKILLS

Languages: C#, Python, TypeScript, JavaScript. **Backend:** .NET Core, FastAPI, Django, Node.js, NestJS, REST APIs, GraphQL, gRPC. **Frontend:** React.js, Next.js, Angular, HTML5, CSS3. **Cloud & DevOps:** AWS Lambda, SQS, ECS, CloudFormation, S3, Docker, Terraform, Azure DevOps, CI/CD, GitHub Actions. **Data & Messaging:** PostgreSQL, MongoDB, SQL Server, Redis, Apache Kafka, Amazon SQS, Entity Framework, SQLAlchemy, Prisma ORM. **AI / LLM:** RAG, AI Agents, LangGraph, LangChain, Amazon Bedrock Guardrails, LLM Benchmarking, Prompt Engineering, Azure Cognitive Search, OpenAI API. **Architecture & Practices:** Clean Architecture, CQRS, Event-Driven Design, Microservices, Distributed Systems, DDD. **Testing & Observability:** Pytest, xUnit, Pact, PactNet, Pact Broker, Datadog.

WORK EXPERIENCE

Backend Developer | Zup / Itaú

Sep 2024 - Present | Remote, Brazil

- Develop and maintain RESTful APIs using .NET (C#), Clean Architecture, and SOLID principles for banking systems.
- Build serverless functions with AWS Lambda (Python/C#), Kafka triggers, and SQS workers for high-throughput event-driven processing.
- Led rollout of contract testing using Pact, PactNet, and Pact Broker across non-production CI/CD environments.
- Develop AI agents with RAG, knowledge sources, and LangGraph workflows to accelerate delivery and analysis processes.
- Implemented Finguard, a batch complaint triage solution using LangGraph multi-agent nodes to classify complaints by severity and urgency, with Amazon Bedrock Guardrails before and after orchestration to block hate speech and reduce LGPD-sensitive data leakage, supported by dashboards, reports, and charts for operational follow-up.
- Integrated Datadog for API monitoring, log analysis, distributed tracing, and alerting.

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 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, Brazil

- Migrated legacy WebForms services to modern Node.js/TypeScript APIs, improving maintainability and performance.
- Led rewrite of Renalegis, a legislative screening platform used by CNC for government relations.
- Integrated Chamber of Deputies, Senate, and Brazil's Official Gazette APIs for automated monitoring workflows.
- Built React.js and Next.js interfaces for government monitoring tools serving 200+ users.

SELECTED PROJECTS

- **Finguard:** guarded batch complaint screening with LangGraph multi-agent nodes, Amazon Bedrock entry/exit guardrails, severity/urgency classification, LGPD leakage prevention, prioritization logic, and analytics dashboard.
- **Project Wise:** banking FX platform with .NET APIs, Python AWS Lambdas, CQRS, Kafka, SQS, CloudWatch, Datadog APM, and Terraform.
- **Localiza Contract Testing:** Pact, PactNet, Pact Broker, .NET, Python, Node.js, Azure DevOps, and Docker.

EDUCATION

Associate Degree in Systems Analysis and Development - Estácio de Sá University, Rio de Janeiro, Brazil | Mar 2021 - Dec 2023

Fullstack Software Development Bootcamp - Labenu, Rio de Janeiro, Brazil | Aug 2021 - Feb 2022