

Rodrigo Souza

Senior Full-Stack Software Engineer & Cloud Solutions Architect

CONTACT

LOCATION
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WORK AUTHORIZATION

U.S. Green Card holder, fully authorized to work in the United States. Available for hybrid / on-site roles in the Orlando area.

SKILLS

Back-end: C#, .NET 6/7/8/10, .NET Core, .NET Framework, .NET MAUI, ASP.NET Core, Web API, Microservices, REST, OAuth 2.0, JWT, Hangfire, Dapper, NHibernate, EF Core, Python, Node.js

Front-end: React, Next.js, Angular, TypeScript, JavaScript (ES6+), HTML5, CSS3, PWA

Messaging: Azure Service Bus, RabbitMQ, Event Grid, Logic Apps, Webhooks

Cloud & DevOps: Microsoft Azure, Docker, Linux, Azure DevOps, GitLab CI, GitHub Actions, Terraform, ARM, DigitalOcean

Databases: SQL Server, T-SQL, PostgreSQL, MySQL, Cosmos DB, IBM DB2

Observability: OpenTelemetry, Serilog, NLog, Application Insights

Testing: xUnit, Moq, NUnit, Playwright, Checkly, SonarQube, Postman

Automation: n8n, NocoBase

Methods: Scrum, Kanban, TDD, DDD, Clean Architecture, SOLID, CI/CD

LANGUAGES

English

Portuguese (native)

CERTIFICATIONS

n8n Certified Expert Partner (2026)

AI & Automation Manager Practitioner, Flowgrammers (2026)

Certified CMMI Associate, ISACA (2023)

Azure Functions: Running Serverless Code, Alura (2021)

Terraform: Automate Cloud Infrastructure, Alura (2021)

PROFESSIONAL SUMMARY

Senior Software Engineer with 20+ years of experience designing scalable, secure, high-performance backend systems and distributed applications. Strong expertise in microservices, message-driven architectures (Azure Service Bus, RabbitMQ), and cloud-native development on Microsoft Azure. Proficient in C#, .NET / .NET Core, ASP.NET Web API, SQL Server, and modern web stacks (React, TypeScript). Experienced technical leader driving architecture decisions, code reviews, CI/CD adoption, and Agile/TDD practices across distributed teams.

EXPERIENCE

Senior Software Engineer Mar 2020 - Present
ED Remote

- Architect and develop scalable backend services and microservices for enterprise financial, billing, and payment platforms using C#, .NET Framework, and .NET Core (3.1 / 6 / 8) on Windows and Linux.
- Design event-driven, asynchronous workflows with Azure Service Bus queues and topics to decouple services across payment-processing pipelines.
- Drove a modernization initiative that reduced a critical batch pipeline from 26 hours to under 2 hours via algorithmic refactoring, TPL Dataflow / async-await, and SQL Server tuning, while handling significantly higher data volume.
- Lead architecture decisions, code reviews, and adoption of Clean Architecture, DDD, SOLID, and TDD across distributed teams.
- Build and maintain CI/CD pipelines in GitLab CI and Azure DevOps; instrument services with Serilog and Application Insights for tracing and alerting.
- Build no-code/low-code automations with n8n and NocoBase to streamline support, ticket triage, and CRM integrations.
- Support the sales team on n8n license pre-sales, running proofs of concept (POCs), engaging on lead projects, and providing technical guidance to help advance deals.

Independent Consultant & Founder Jun 2020 - Present
RS Technology Group LLC · RS Consultoria Remote

Owner and lead engineer of two independent products in production with paying customers: Fleet on Sight (fleet telemetry) and Equilibrahq (multi-tenant financial SaaS).

- Fleet on Sight: .NET 10 microservices processing high-volume IoT events via RabbitMQ with retry, dead-letter, and back-pressure patterns; Hangfire for recurring telemetry rollups; PostgreSQL schemas optimized for time-series data.
- Angular/TypeScript operations front-end; OpenTelemetry for distributed tracing, metrics, and logs; CI/CD on Azure DevOps deploying to DigitalOcean.
- Equilibrahq: polyglot backend (C#/.NET Core auth API + Python financial API) with dedicated MySQL databases; OFX bank-reconciliation engine and hierarchical chart of accounts with multi-tenant isolation.
- React/TypeScript PWA with cookie auth; Cash Flow (DFC) reporting engine; n8n orchestration; GitHub Actions CI/CD on owned Linux infrastructure.

Senior Software Engineer Feb 2023 - Nov 2023
Oby Pagamentos (ED Group) Remote

- Modernized the payments platform, migrating legacy ASP.NET MVC modules to a React + TypeScript front-end backed by .NET Core microservices exposed via Azure API Management.
- Designed and built a cross-platform mobile app with .NET MAUI for billing and payments on iOS and Android.
- Integrated Azure Functions, Service Bus, Cosmos DB, Logic Apps, and Azure AD for transactional integrity and near real-time data synchronization.

Cloud Engineer Consultant Jan 2019 - Feb 2020
4MS Tech Brazil

- Led Azure cloud-migration projects for enterprise customers, designing target architecture and executing infrastructure-as-code rollouts with minimal downtime.
- Authored Terraform modules and ARM templates for resource groups, networks, App Services, Azure SQL, and Service Bus namespaces.
- Built secure API gateways with Azure API Management (OAuth 2.0, JWT, throttling) and multi-stage YAML CI/CD in Azure DevOps.

Senior .NET Developer Nov 2011 - Feb 2020
Add Technologies Brazil

- Designed billing, premium-calculation, and payment-reconciliation modules for a major life-insurance company using C#, .NET Framework, and .NET Core.
- Built distributed backend services communicating asynchronously via Azure Service Bus; secured REST APIs with OAuth 2.0 / JWT for B2B integrations with banks.
- Applied DDD and TDD with NHibernate and Dapper against IBM DB2 and SQL Server; authored complex T-SQL for monthly batch reconciliation cycles.

Senior Systems Analyst Apr 2003 - Oct 2011
Alterdata Software Brazil

- Designed accounting-automation software used by thousands of small and mid-sized businesses (payroll, fiscal, tax modules).

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- Architected a database-migration tool importing and reconciling legacy datasets from competing systems into PostgreSQL and SQL Server.
- Built Delphi 7 desktop applications; wrote complex T-SQL and PL/pgSQL; mentored junior developers and provided third-line production support.

SELECTED PROJECTS

- Fleet on Sight** Fleet & Truck Telemetry Platform
- High-volume IoT telemetry ingestion on .NET 10 microservices with RabbitMQ, Hangfire, PostgreSQL time-series schemas, and OpenTelemetry observability.
- Equilibrahq** Financial Management SaaS, Founder (in production)
- Multi-tenant SaaS with hierarchical chart of accounts, OFX bank reconciliation, and Cash Flow (DFC) reporting; polyglot .NET / Python backend and React PWA.

EDUCATION

Analysis and Systems Development
Estácio de Sá, Brazil, 2014

Bachelor in Data Processing
Fundação Educacional Serra dos Órgãos, Brazil, 2006