

# Túlio Ribeiro dos Anjos

## Full-Stack .NET & Cloud Developer

Campo Grande, Brazil - *Remote Only*

### Summary

I build scalable, high-performance systems with .NET. With over a decade of experience in C# and .NET, I've designed cloud-native applications, modernized legacy systems, and optimized real-time APIs. I've led e-commerce integrations at scale, built serverless architectures with AWS, and solved complex engineering problems in distributed systems. I focus on efficiency, maintainability, and software that lasts.

### Key Achievements

- **High-Scale Shopify Integration:** Developed an AWS Lambda-based integration in .NET 8 that synced over 100,000 SKUs, enabling a robust direct-to-consumer sales channel.
- **Real-Time Image Processing:** Engineered a high-performance image processing system using AWS Lambda and SkiaSharp, achieving sub-second response times for dynamic collage generation and enhancing user engagement.
- **Intelligent API Throttling:** Implemented advanced throttling with data diffing and retry mechanisms, reducing failure rates and ensuring smooth high-volume transactions.
- **Legacy Modernization:** Transformed a sluggish JSF application into a high-performance Angular 13 micro-frontend with a Spring Boot backend, significantly improving load times and overall user experience.
- **Critical System Optimization:** Eliminated a CPU bottleneck in a real-time emergency dispatch platform by refactoring inefficient timer logic, markedly improving WebSocket responsiveness and operational efficiency.

### Technical Skills

- **Cloud & DevOps:** AWS Lambda, S3, CloudWatch, Serverless Architectures, Docker, Azure Pipelines
- **.NET & Backend:** .NET 8, C#, ASP.NET Core, Web API, Entity Framework
- **Front-End:** Angular, TypeScript, JavaScript
- **Databases:** SQL Server, PostgreSQL, MySQL, MongoDB, Redis
- **E-Commerce & APIs:** Shopify API, REST API Design, GraphQL, OAuth2
- **Performance & Optimization:** Multi-threading, API Throttling, WebSockets, Caching
- **Testing & CI/CD:** xUnit, NUnit, GitHub Actions, GitLab CI/CD

### Work Experience

#### BairesDev

- **Full-Stack .NET & Angular Engineer**  
*Feb 2025 – Present | Remote (Company HQ: São Paulo, São Paulo)*
  - Building key full-stack components for a high-visibility project at a major Transit Technology client, utilizing .NET 8, Angular, and cloud-native architectures to build a next-generation transit management platform.
- **.NET Core Engineer**  
*Mar 2023 – Feb 2025 | Remote (Company HQ: Overland Park, Kansas)*
  - Developed a high-scale AWS Lambda-based Shopify integration (.NET 8), enabling a direct-to-consumer sales channel and syncing 100,000+ SKUs.
  - Implemented intelligent API throttling (data diffing & retry), reducing failure rates and ensuring seamless high-volume transactions.
  - Developed a high-performance AWS Lambda-based image processing system (.NET 8, SkiaSharp) for real-time collage generation, achieving sub-second response times. Enhanced product previews, boosting user engagement and driving higher conversions on the e-commerce platform.
  - Designed and built a dynamic sales reporting service, leveraging JSON schema for seamless processing of diverse CSV formats across multiple payment platforms. Integrated CSVHelper with comprehensive unit testing to guarantee accuracy, auditability, and reliable retailer sales insights.

- **Java & Spring Engineer**

*Jun 2022 – Mar 2023 / Remote (Company HQ: San Francisco, California)*

- Revamped legacy Java APIs into high-performance, maintainable Spring Boot REST services for a B2B privacy compliance platform.
- Optimized data access with Spring Data JPA & Hibernate, boosting reliability and efficiency.
- Implemented robust automated testing to ensure API stability and data integrity, critical for GDPR/CCPA compliance.

**GEOI2 Tecnologia da Informação LTDA. (*Aug 2019 – Jun 2022 / 3 years*)**

- Transformed a sluggish legacy JSF application into a high-performance Angular 13 micro-frontend with a Spring Boot backend, significantly improving page load times and user experience.
- Developed a Java CLI tool to automate ETL and database provisioning for Tribunal de Contas do Estado audits, streamlining data extraction from Sybase, Firebird, PostgreSQL, and MySQL.
- Integrated Pentaho KTR and gzip compression, ensuring secure and efficient data transmission over bandwidth-constrained (128kbps) municipal networks.

**Fonte Tecnologia (*Aug 2017 – Aug 2019 / 2 years*)**

- Eliminated a critical CPU bottleneck in the CADG platform's real-time vehicle grid by refactoring inefficient setTimeout timers to a single optimized timer, significantly improving WebSocket responsiveness for emergency dispatch operations.
- Designed and built a high-efficiency telephone form module for CADG, reducing emergency call incident reporting time and optimizing dispatcher workflows for faster emergency response coordination.

**PSG Tecnologia (*Mar 2013 – Aug 2017 / 4+ years*)**

- Led the development of a digital system for managing Mato Grosso do Sul's Organic Law, enabling state government users to efficiently edit, version control (diffing), and access critical legal statutes. This system streamlined legal updates and ensured accuracy and accessibility of the state's foundational legal framework.
- Designed and developed a module for creating thematic programs within Mato Grosso do Sul's Pluriannual Plan (PPA), a key component of the state's public finances management platform. This module streamlined the multi-year financial planning process and improved the organization of public spending initiatives.

**Education**

**Bachelor's in Computer Engineering** – Uniderp (*Jan 2009 – Dec 2013*)

**Certifications**

- Oracle Certified Java SE 11 Developer

**Languages**

- English: Professional Proficiency
- Portuguese: Native

**Contact**

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