

Túlio Ribeiro dos Anjos

Senior Full Stack Software Engineer

Campo Grande, Brazil (Remote Only)

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SUMMARY

Full-stack engineer focused on building applications using .NET for the backend and Angular for the frontend. I develop APIs and services with .NET 8/ASP.NET Core and build user interfaces with Angular. I've worked on projects that use cloud services like AWS (Lambda, SQS) and Azure Event Hubs as part of their architecture, primarily focusing on the application code that interacts with these services.

TECHNICAL SKILLS

Backend: .NET 8, C#, ASP.NET Core, Web API, Entity Framework

Frontend: Angular (incl. 17), TypeScript, JavaScript, Static Site Generation (Astro)

Databases: SQL Server, PostgreSQL, MySQL, Google BigQuery, MongoDB, Redis

Cloud Service Interaction: AWS (Lambda, S3, SNS, SQS, CloudWatch), Azure Event Hubs

DevOps & CI/CD: Docker, GitHub Actions, GitLab CI/CD, Azure Pipelines

APIs & Integration: REST API, GraphQL, OAuth2, Shopify API, CSVHelper

Others: WebSockets, API Throttling, Caching, SEO, SkiaSharp

PERSONAL PROJECTS & OPEN SOURCE

- **SchemaShroud: .NET Data Anonymization Experiment** (*Open Source, .NET 8*)
 - An experimental project exploring data anonymization techniques in .NET 8 using declarative attributes and reflection.
 - <https://github.com/tulior/schema-shroud>
- **Personal Portfolio & Tech Blog** (*Astro, Tailwind CSS*)
 - Portfolio (<https://tulio.org>) showcasing skills and discussing tech hiring practices.
 - Achieved **100/100 Google Lighthouse scores** (Performance, Accessibility, SEO).
 - *Focus on high-performance web development & clear communication.*

WORK EXPERIENCE

BairesDev *Senior Full-Stack .NET & Angular Engineer*

Feb 2025 – Present | Remote (Company HQ: New York, New York)

I'm currently building and improving features for a large-scale telematics and fleet management platform. My role covers the full stack, from implementing backend data processing to building the Angular UI.

- Built a new Fuel Consumption Analysis feature from the ground up, allowing users to rank driver performance by shift, route, and vehicle. On the frontend, I used Angular Signals to create a responsive UI with multi-select and dependent filters for deep data exploration.
- Developed the entire Driver Schedule management system. This included creating a full import/export pipeline for CSV/TXT files with client-side validation and an audit history view to track all changes and ensure data integrity.
- On the backend, I wrote .NET 8 services that process real-time data streams from Azure Event Hubs. These services also handle background jobs and push the processed results into Google BigQuery, making the data available for analysis.
- Beyond new features, I focus on code quality and stability. I regularly fix complex bugs (like data normalization issues in the AOD Odometer) and improve the codebase through refactoring, all while following team practices like Conventional Commits and a thorough Pull Request review process.

.NET Core Engineer

Mar 2023 – Feb 2025 | Remote (Company HQ: Overland Park, Kansas)

- **Shopify Integration:** Built backend components (.NET library, microservice, AWS Lambda function) to sync product data with Shopify. Addressed API rate limits using data diffing & retries. Helped onboard 50+ beta retailers; the system processed 400+ orders in 8 months reliably. Used SQS for asynchronous inventory updates.
- **Collage Generation:** Created an image processing component (using SkiaSharp) and an AWS Lambda function (.NET 8) for dynamic image composition, used for product previews. Stored results in Amazon S3.
- **CSV Reporting:** Developed a system to parse and validate sales data from different CSV formats using JSON schemas and CSVHelper, ensuring accurate financial reports for compliance.

Java & Spring Engineer

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

- Modernized legacy Java APIs into Spring Boot REST services for a B2B privacy platform. Improved database query performance with Spring Data JPA & Hibernate. Added automated tests and integrated with CI/CD and review tools (Slack, Jira, GitHub).

GEOI2 Tecnologia da Informação LTDA *Software Engineer*

Aug 2019 – Jun 2022 | Hybrid (Campo Grande, Brazil)

- Replaced parts of a legacy JSF app with an Angular 13 micro-frontend and a Spring Boot backend, improving performance.
- Built a Java CLI tool for automating ETL processes for financial audits. Used Pentaho KTR for data extraction (Sybase, Firebird, PostgreSQL, MySQL to MongoDB) and Gzip for compression (90% reduction) over slow networks.

Fonte Tecnologia *Software Engineer*

Aug 2017 – Aug 2019 | On-Site (Campo Grande, Brazil)

- Optimized a real-time vehicle tracking system for public safety dispatch, fixing a CPU bottleneck caused by inefficient timer usage.
- Developed a form module for emergency call reporting.

PSG Tecnologia *Software Engineer*

Mar 2013 – Aug 2017 | On-Site (Campo Grande, Brazil)

- Organic Law System: Built a system for managing state law documents, including editing and version comparison features.
- PPA Thematic Programs Module: Developed a module for managing programs within the state's multi-year financial plan.

EDUCATION

Bachelor's in Computer Engineering

Uniderp (Jan 2009 – Dec 2013)

CERTIFICATIONS

Oracle Certified Java SE 11 Developer (Apr 2021)

LANGUAGES

English: Professional Proficiency

Portuguese: Native