

Túlio Ribeiro dos Anjos

Senior Full-Stack Engineer

Campo Grande, Brazil (Remote Only)

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SUMMARY

I'm a senior full-stack engineer who builds end-to-end features for complex, data-intensive SaaS platforms. My focus is on using .NET 8 for the backend and modern Angular for the frontend. I have hands-on experience writing the services that consume real-time data streams and building the UIs that allow users to visualize and interact with that data.

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