

# Túlio Ribeiro dos Anjos

## Full-Stack .NET & Angular 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.

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## 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, 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

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## 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.*
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## WORK EXPERIENCE

**BairesDev** *Full-Stack .NET & Angular Engineer Feb 2024 – Present / Remote (Company HQ: São Paulo, São Paulo)* - Developing features for a large-scale fleet management platform. The system helps clients track vehicle/driver performance, safety events, maintenance schedules, etc. - Writing .NET 8 backend code to process real-time vehicle data received via Azure Event Hubs. - Implemented a backend feature to link driver identification data (from the event stream) with vehicle trips for enhanced reporting. - Building and updating frontend components using Angular 17, including fixing bugs and creating new screens (grids, reports) for data visualization. - Contributing to both the .NET backend and Angular frontend codebases.

*.NET Core Engineer Mar 2023 – Feb 2024 / 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).

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**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.

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**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.

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**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.

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## EDUCATION

### Bachelor's in Computer Engineering

*Uniderp (Jan 2009 – Dec 2013)*

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## CERTIFICATIONS

**Oracle Certified Java SE 11 Developer** (Apr 2021)

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## LANGUAGES

**English:** Professional Proficiency

**Portuguese:** Native