

Túlio Ribeiro dos Anjos

Senior Full-Stack Engineer · Remote (Based in Campo Grande, Brazil)

+55 67 9 9266 0804 · mail@tulio.org · tulio.org · linkedin.com/in/tulioanjos

TECHNICAL SKILLS

Backend: C#, .NET 8, ASP.NET Core, REST/GraphQL APIs, Spring Boot, Java, Entity Framework

Frontend: Angular 17, React, TypeScript, Astro

Data & Infrastructure: SQL Server, PostgreSQL, MongoDB, Redis · AWS (Lambda, S3, SQS, SNS) · Azure (Event Hubs, DevOps Pipelines)

Practices: Remote collaboration, CI/CD, Performance optimization, Secure coding, Legacy modernization

PROFESSIONAL EXPERIENCE

BairesDev — Senior Full-Stack Engineer

Remote | Jun 2022 – Present

Worked as an embedded contractor for U.S. clients on long-term remote projects, collaborating daily with product and engineering teams across U.S. time zones.

- **Enterprise Fleet Telematics Platform** (*U.S. Client | Remote | Feb 2025 – Present*)

Built core C# services to assign drivers to vehicle trips using raw telemetry from BigQuery. Created a shift management module that accepts operator schedules via CSV, then wrote a background service to match vehicle data against those schedules and compute performance metrics (max/avg speed, fuel use, safety scores). Fixed data integrity issues caused by signal flicker and drivers appearing in multiple vehicles at once by writing custom sanitization rules.

- **E-commerce Platform** (*U.S. Client | Remote | Jan 2023 – Jan 2025*)

Built a serverless image pipeline on AWS (Lambda, SQS, SNS) to auto-generate product collages. OpenCVSharp failed in Lambda due to native dependencies, so I rewrote the image logic using SkiaSharp and a lightweight edge-detection algorithm. The new version ran reliably and delivered optimized assets to S3 for the storefront.

- **B2B Data Privacy & Compliance SaaS** (*U.S. Client | Remote | Jun 2022 – Jan 2023*)

Migrated the data layer from raw JDBC to Spring Data JPA. Swapped fragile string-based SQL queries for type-safe repositories, which removed a class of SQL injection bugs and eliminated manual connection management. After the change, the team could add new data features without worrying about connection leaks.

GEOI2 Tecnologia — Software Engineer

Remote/Hybrid | Aug 2019 – Jun 2022

- Replaced a legacy JSF app—maintained by only one developer—with a new Angular 13 frontend so the whole team could support it.
- Automated financial audit data collection across 79 municipalities. Built a Java CLI tool that ran Pentaho Kettle pipelines (Sybase, Firebird, PostgreSQL) and added Gzip compression to cut payload size by 90%, which kept transfers from failing on slow municipal networks.

Fonte Tecnologia — Software Engineer

Campo Grande, Brazil | Aug 2017 – Aug 2019

- Fixed a serious UI slowdown in a real-time vehicle dispatch system built with Knockout.js. Used the Chrome profiler to find that every grid cell had its own event handler. Switched to event delegation and replaced `setTimeout` animations with `requestAnimationFrame`—restored smooth performance even with hundreds of active dispatches.
- Built an emergency call reporting module using .NET Web API and SQL Server.

PSG Tecnologia — Software Engineer

Campo Grande, Brazil | Mar 2013 – Aug 2017

- Built a legislative drafting and budgeting system for state government. Modeled complex legal hierarchies (articles, sections, paragraphs) using a recursive SQL table.
 - Delivered a jQuery-based rich text editor and a tree UI for managing multi-year budgets, both working on the same data model.
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EDUCATION & CERTIFICATIONS

- **B.S. in Computer Engineering** — Uniderp (2013)
- **Oracle Certified Professional: Java SE 11 Developer** (2021)