Túlio Ribeiro dos Anjos

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

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PROFESSIONAL EXPERIENCE

BairesDev — Senior Full-Stack Engineer
Remote | Jun 2022 – Present
Embedded engineering consultant for U.S.-based clients in long-term, fully remote engagements. Worked daily with product, QA, and engineering teams across U.S. time zones using Agile practices.

- **Enterprise Fleet Telematics Platform** *(U.S. Client | Remote | Feb 2025 – Present)*
  Engineered core C# services to assign drivers to vehicle trips using raw telemetry from BigQuery. Built a shift management module that accepts operator schedules via CSV and developed a background service to correlate vehicle data with shifts, computing performance metrics (max/avg speed, fuel use, safety scores). Resolved data integrity issues caused by signal flicker and concurrent driver assignments through custom sanitization logic and conflict-resolution rules.

- **E-commerce Platform** *(U.S. Client | Remote | Jan 2023 – Jan 2025)*
  Built a serverless image processing pipeline on AWS (Lambda, SQS, SNS) to auto-generate product collages. After discovering OpenCVSharp's native dependencies were incompatible with Lambda, I redesigned the solution using SkiaSharp and a lightweight edge-detection algorithm—enabling reliable, scalable delivery of optimized assets to S3 for storefront use.

- **B2B Data Privacy & Compliance SaaS** *(U.S. Client | Remote | Jun 2022 – Jan 2023)*
  Contributed to modernizing the data access layer by migrating from raw JDBC to Spring Boot with Spring Data JPA. Replaced string-based SQL queries with type-safe JPA repositories, helping eliminate SQL injection vulnerabilities and reducing error-prone connection management code. The new layer improved maintainability and supported future compliance features.

GEOI2 Tecnologia — Software Engineer
Remote/Hybrid | Aug 2019 – Jun 2022

- Replaced a high-risk legacy JSF application with a modern Angular 13 frontend, enabling broader team ownership and long-term maintainability.
- Automated financial audit data collection across 79 municipalities by building a Java CLI tool that orchestrated Pentaho Kettle pipelines (Sybase, Firebird, PostgreSQL). Implemented Gzip compression to reduce payload size by 90%, ensuring reliable transfers over low-bandwidth networks.

Fonte Tecnologia — Software Engineer
Campo Grande, Brazil | Aug 2017 – Aug 2019

- Diagnosed and fixed a critical UI performance bottleneck in a real-time vehicle dispatch system (Knockout.js) by refactoring to event delegation and replacing `setTimeout` animations with `requestAnimationFrame`, restoring responsiveness at scale.

- Developed 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 multi-year budgeting system for state government, modeling complex legal hierarchies (articles, sections, paragraphs) using a recursive SQL table structure.
- Delivered a jQuery-based rich text editor and tree UI for managing hierarchical budget data, both backed by the same normalized schema.

EDUCATION & CERTIFICATIONS

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