Túlio Ribeiro dos Anjos

Senior Software Engineer (.NET / Cloud Backend)
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PROFESSIONAL SUMMARY

Senior Software Engineer with 12+ years of experience designing and delivering distributed systems and high-throughput data pipelines. **Specialist in the .NET ecosystem (C#)** with a focus on modernizing legacy monoliths and optimizing performance for high-volume SaaS and public-sector environments. Proven track record of **autonomous delivery embedded within US-based product teams** and Brazilian government agencies, building mission-critical platforms for Automotive Telematics, E-commerce, and Public Safety. C2-level English proficiency.

TECHNICAL SKILLS

- **Core Stack:** C#, .NET 8, ASP.NET Core, Entity Framework (EF) Core, Web API, LINQ.
- **Cloud & DevOps:** AWS (Lambda, SQS, SNS), Azure Event Hubs, Google BigQuery, Docker.
- **Data & Storage:** SQL Server, PostgreSQL, Redis, MongoDB.
- **Resiliency & Patterns:** Polly (Retry/Circuit Breaker), Dependency Injection, Microservices, Domain-Driven Design.
- **Secondary Skills:** Java (Legacy Migration), TypeScript, Angular 17.

PROFESSIONAL EXPERIENCE

BAIRESDEV | Remote (US-Based Clients)
Senior Software Engineer (Contractor) | *Jun 2022 – Nov 2025*
Operating as a fully embedded core team member for US enterprise clients. Integrated into internal Agile/Scrum squads, collaborating daily with Product Directors, QA, and Senior Engineering staff.

Project: FleetBus SaaS (Mercedes-Benz Telematics via Clever Devices)

- **Context:** Developed backend services for the official Mercedes-Benz fleet management platform, processing real-time telemetry (CAN bus) data for remote diagnostics and driver behavior analysis.
- **Performance Optimization (99% Reduction):** Refactored the "Aggregation Service" from single-record to batch processing, reducing execution time from **60 minutes to 30 seconds** for fleet-wide data rollups.
- **Data Integrity & Idempotency:** Solved critical data corruption issues in **Google BigQuery** by implementing deterministic IDs, ensuring idempotent processing of duplicate vehicle event messages.
- **Complex Algorithm Design:** Engineered "Trip Segmentation" logic to correctly attribute safety and fuel-efficiency scores to specific drivers during mid-trip swaps, directly impacting fleet operational metrics.

Project: Bless POS & Wayroo (Retail Success Co. for LuLaRoe)

- **Context:** Engineered features for a high-volume Point-of-Sale (POS) and inventory management platform used by thousands of independent retailers.
- **System Integration:** Built a bi-directional bridge syncing a **100,000+ SKU catalog** to Shopify. Overcame platform limitations (100-variant cap) by architecting a logic layer that automatically splits complex items into grouped product listings.
- **Resilience Engineering:** Implemented **Polly** policies (retries/circuit breakers) to handle aggressive Shopify API rate limits, ensuring 100% delivery of inventory updates during bulk syncs.
- **Scale & Reliability:** Supported the beta rollout for 50 power-users and reconciled 400+ complex orders during the pilot phase, handling deep object hierarchies across disparate legacy systems.

Project: TerraTrue (Privacy-by-Design SaaS)

- **Context:** Contributed to a VC-backed DevSecOps platform used by enterprise product teams to automate privacy reviews (GDPR/CCPA) and security compliance.
- **Legacy Modernization:** Executed the migration of a legacy persistence layer to modern RESTful standards. Refactored data access patterns to eliminate SQL injection vulnerabilities and accelerate frontend integration.

GRUPO IMAGETECH | Campo Grande, Brazil
Senior Software Engineer | *Aug 2019 – Jun 2022*
*Embedded within the **State Audit Court (TCE-MS)** to modernize audit infrastructure.*

- **Financial Analytics Platform (e-Extrator):** Core developer for the court's primary data intelligence tool. Engineered a custom CLI ingestion engine deployed to 79 remote municipalities to extract financial data over low-bandwidth networks, utilizing GZIP compression to resolve connectivity constraints.
- **Fiscal Submission Portal (e-Contas):** Rebuilt the mandatory state-wide portal used by government entities to submit annual accounts. Architected the **Angular** frontend as a micro-frontend solution, facilitating seamless integration with the central government dashboard.

FONTE TECNOLOGIA | Campo Grande, Brazil
Software Engineer | *Aug 2017 – Aug 2019*
*Embedded within the **State Secretariat of Justice & Public Safety (SEJUSP)** to support mission-critical operations.*

- **911-Equivalent Dispatch System (CADG):** Maintained the **ASP.NET Web API** backend for the Computer-Aided Dispatch system used by Military Police. Ensured high availability for real-time incident creation and patrol unit management.
- **Operational Integration (SIGO):** Delivered features for the Integrated Operational Management System (SIGO), the central database for all state police incident reports and public safety statistics.

PSG TECNOLOGIA | Campo Grande, Brazil
Software Engineer | *Mar 2013 – Aug 2017*
*Embedded within the **State Secretariat of Finance (SEFAZ-MS / SGI)** to build fiscal planning systems.*

- **State Planning & Finance System (SPF):** Owned full-stack development for the state's centralized financial backbone, used for multi-year fiscal planning (PPA) and budget execution.
- **Complex Data Modeling:** Built a Legislative Drafting Engine using **recursive SQL** to handle deep legal hierarchies (Articles/Paragraphs) and an interactive UI for version diffing.

EDUCATION & CERTIFICATIONS

- **Bachelor of Engineering - Computer Engineering** | Uniderp (2013)
- **Oracle Certified Professional: Java SE 11 Developer** | (2021)
- **English Proficiency:** EF SET Certificate (C2 Proficient – Score: 79/100)