Túlio Ribeiro dos Anjos

Senior Software Engineer
Remote (based in Campo Grande, Brazil – UTC-4)
mail@tulio.org · +55 67 9 9266 0804 · linkedin.com/in/tulioanjos · tulio.org

SUMMARY

Senior Software Engineer with 12+ years of experience specializing in Distributed Systems, .NET, and Java. I build high-throughput backend infrastructure (150M+ daily events) and modernize legacy environments for US-based startups and enterprises. My expertise lies in solving hard architectural problems—optimizing data pipelines, securing complex fintech integrations, and refactoring brittle code—while working as an autonomous, embedded core contributor.

TECHNICAL SKILLS

- **Languages:** C#, Java, TypeScript, SQL.
- **Core:** Distributed Systems, High-Scale Ingestion, Performance Engineering, System Architecture.
- **Cloud & Infra:** AWS (Lambda, SQS, SNS, S3), Azure (Event Hubs), Redis, Docker, CI/CD.
- **Data:** BigQuery, SQL Server, PostgreSQL, MongoDB, Entity Framework.
- **Frameworks:** .NET 8, ASP.NET Core, Spring Boot, Angular 17.

EXPERIENCE

BairesDev | *Remote*
Senior Software Engineer (Contract) | *Jun 2022 – Nov 2025*

Embedded in US product teams to solve scaling bottlenecks and architectural debt. I did not work on maintenance tickets; I built core infrastructure.

Client: Global Automotive OEM (Telematics Platform)

- **Fixed a 60-minute bottleneck:** The aggregation service took over an hour to populate rollup tables from raw telemetry. I refactored the entire service and implemented a **BigQuery staging-table MERGE pattern**. It now completes the job in **30 seconds**.
- **Scaled to 150M+ daily events:** The ingestion API relied on local memory to cache and merge vehicle signals, causing Out-of-Memory crashes during spikes. I rewrote the caching strategy to use **distributed Redis**, eliminating crashes and enabling horizontal scaling.
- **Solved complex logic:** I wrote the algorithms that figure out who is driving the bus. This required timeline reconstruction logic to handle edge cases like mid-trip driver swaps and noisy logon events.

Client: Fintech Platform (Enterprise Retail)

- **Opened a major sales channel:** The platform's users (independent retailers) were locked into a proprietary POS. I built the bidirectional bridge that allowed them to sell their inventory on **Shopify**. This wasn't just a data dump; it was a live sync engine.
- **Event-Driven Architecture:** I decoupled the legacy POS from Shopify's strict rate limits using **AWS SNS and SQS**. Changes in the legacy ledger triggered events consumed by **Lambda**, which then updated the Shopify store via their **GraphQL API**.
- **Handling Complexity:** Syncing products is easy; syncing a catalog with **100k+ SKUs** and thousands of variants (colors, sizes, weights, images) per store is hard. I built the bulk-loading logic to map these complex hierarchies and handle web-hooks to decrement the core ledger inventory immediately upon a Shopify sale.

Client: VC-Backed Privacy SaaS

- **Eliminating Technical Debt:** The platform relied on brittle raw SQL that made feature development dangerous and slow. I migrated the persistence layer to **Spring Data JPA**, eliminating injection risks and standardizing data access so the team could ship features faster.

Grupo Imagetech | *Campo Grande, Brazil*
Senior Software Engineer | Aug 2019 – Jun 2022

Client: State Court of Accounts (TCE-MS)

- **Reliable Ingestion over Unreliable Networks:** We needed to pull financial data from 79 different municipalities with terrible internet and different database vendors. I built a custom **Java/Pentaho CLI** to run locally on their servers, bypass vendor lock-in, and compress data via GZIP so it could actually traverse the network.
- **Frontend Architecture (e-Contas):** I rebuilt the fiscal submission portal ("e-Contas") from scratch, migrating from legacy JSF to **Angular**. I architected it as a **micro-frontend**, allowing the Court to embed the tools directly into their central "TCE Digital" platform. I owned the full UI implementation, ensuring strict validation for the XML-based government accounts.

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

Client: Military Police & Dept. of Justice

- **High Stakes:** Worked on the Computer-Aided Dispatch (CADG) system. If this software goes down, 911 calls don't get answered. I maintained the .NET Web API backend that kept the system running 24/7.
- **Real-time tracking:** Built features for the Integrated Operational Management System (SIGO) to track incidents in real-time.

PSG Tecnologia | *Campo Grande, Brazil*
Software Engineer | Mar 2013 – Aug 2017

Client: State Secretariat of Finance

- **Built the State Budget System:** I owned the full-stack development of the Multi-Year Plan module. This is the software the government uses to define its 4-year fiscal plan.
- **Recursive SQL:** Legal hierarchies (Articles -> Paragraphs -> Sections) are deeply nested. I wrote a recursive SQL engine to model this structure and automatically handle renumbering when laws changed.
- **Internal Tooling:** Built a browser-based editor that allowed auditors to visually "diff" budget versions, saving them hours of manual checking.

EDUCATION

Bachelor of Engineering - Computer Engineering | Uniderp (2013)
Oracle Certified Professional: Java SE 11 Developer | (2021)
English: Full Professional Proficiency (C2)