

# Túlio Ribeiro dos Anjos

## Senior Software Engineer (.NET / Cloud Backend)

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### PROFESSIONAL SUMMARY

**Senior Software Engineer** with 12+ years of experience delivering distributed, high-volume data systems. Specialist in the **.NET ecosystem (C#)** with extensive experience maintaining and enhancing cloud-native platforms (AWS/Azure). Proven ability to drive technical excellence by authoring design documents, leading code reviews, and mentoring peers and team leads. Leverages modern tools, including AI assistants (LLMs), for accelerated design, communication, and development. Eager to take on greater architectural responsibility in a cloud-focused role.

### TECHNICAL SKILLS

- **Languages:** C#, Java, TypeScript
- **Core Backend:** .NET 8, ASP.NET Core, Web API, Entity Framework Core
- **Cloud & Messaging:** AWS (Lambda, SQS, SNS, S3), Azure Event Hubs, RabbitMQ, MassTransit, Redis
- **Data & Storage:** Google BigQuery, PostgreSQL, SQL Server, MongoDB
- **DevOps & Tools:** Docker, Kubernetes (Helm), Terraform, CI/CD (Azure DevOps, GitLab), Azure Artifacts
- **Libraries & Frameworks:** Angular, React, Polly, SkiaSharp, OpenCVSharp, Pentaho Data Integration
- **Process & Architecture:** Microservices, Domain-Driven Design (DDD), Git Flow, Conventional Commits

### PROFESSIONAL EXPERIENCE

**BAIRESDEV** | Remote (US-Based Clients)

**Senior Software Engineer (Contractor)** | Jun 2022 – Nov 2025

*Embedded core team member for US enterprise clients, responsible for full-cycle feature delivery, technical leadership, and system optimization in Agile environments.*

#### Project: Enterprise Fleet Telematics Platform (SaaS)

- **High-Volume Data Engineering:** Enhanced and maintained a high-throughput ingestion pipeline processing **150 million+ vehicle telemetry signals daily** from TB-scale databases (BigQuery/PostgreSQL). Optimized services consuming from **Azure Event Hubs** and using **Redis** for real-time state caching.
- **Technical Leadership & Mentorship:** Provided technical leadership by authoring design documents, leading code reviews, and establishing best practices. Selected by client management to mentor underperforming peers and successfully **onboard a new Team Lead**.
- **Distributed Systems:** Implemented features within a decoupled microservices architecture, utilizing **RabbitMQ** and **MassTransit** for asynchronous event processing and improved system resilience.
- **Performance Optimization (99% Reduction):** Refactored a critical data aggregation service from single-record to batch processing, reducing execution time from **60 minutes to just 30 seconds**.

#### Project: Retail SaaS & Inventory Platform

- **Architectural Ownership:** Architected and delivered a company-wide image processing library as a NuGet package (using **SkiaSharp**) to replace a licensed tool, saving on costs. Published to **Azure Artifacts** and adopted by all backend teams.
- **Serverless Engineering:** Engineered a serverless image collage generator using **AWS Lambda, SQS, SNS, and S3**. Implemented a custom edge-detection algorithm for context-aware cropping after determining OpenCV was incom-

patible with the Lambda environment.

- **Cloud Integration:** Developed a bi-directional integration with Shopify's API, syncing active retailer inventories (1,000s of SKUs) against a master catalog of 100,000+ items using an **AWS Lambda/SQS/SNS** architecture.
- **Infrastructure as Code:** Contributed to DevOps maturity by implementing **Terraform** configurations and **Azure DevOps** pipeline YAMLS for repeatable infrastructure provisioning.

**GRUPO IMAGETECH** | Campo Grande, Brazil

**Senior Software Engineer** | Aug 2019 – Jun 2022

Embedded within the **State Audit Court (TCE-MS)** to modernize critical data infrastructure.

- **ETL Automation:** Enabled automated, state-wide public sector audits for the first time by designing and building a **Java-based ETL tool**. The tool standardized and extracted data from diverse legacy databases (Sybase, Firebird, etc.) across 79 municipalities, ingesting it into a central **MongoDB** repository using Pentaho and Linux CLI commands.
- **Containerization & CI/CD:** Modernized deployment workflows by containerizing applications with **Docker** and authoring **GitLab CI/CD** pipelines to automate testing and delivery.
- **Frontend Development:** Built new data visualization and submission screens using **Angular** as part of a large-scale portal modernization project.

**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, ensuring high availability for real-time incident creation and patrol unit management.

**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 and budget execution.

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## 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)