Túlio Ribeiro dos Anjos

Senior Full-Stack Engineer
Campo Grande, Brazil (Seeking 100% Remote Opportunities)
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SUMMARY

I'm a full-stack engineer with over 10 years of experience, focused on building applications with a .NET backend and an Angular frontend. I have a strong background in developing backend services for complex systems, including real-time fleet management and e-commerce platforms. I enjoy working on the full feature lifecycle, from designing the API and processing data to building the user interface that makes the data useful.

TECHNICAL SKILLS

- **Backend:** .NET 8, C#, ASP.NET Core, EF Core, Java, Spring Boot
- **Frontend:** Angular, TypeScript, JavaScript, Astro
- **Databases & Caching:** SQL Server, PostgreSQL, BigQuery, MongoDB, Redis
- **Cloud & DevOps:** AWS (Lambda, S3, SQS), Azure Event Hubs, Docker, GitHub Actions

PERSONAL PROJECTS & OPEN SOURCE

- **SchemaShroud: .NET Data Anonymization Experiment** *(Open Source, .NET 8)*
  - An experimental project exploring data anonymization techniques in .NET 8 using declarative attributes and reflection.
  - *https://github.com/tulior/schema-shroud*
- **Personal Portfolio & Tech Blog** *(Astro, Tailwind CSS)*
  - Portfolio (https://tulio.org) showcasing skills and discussing tech hiring practices.
  - Achieved **100/100 Google Lighthouse scores** (Performance, Accessibility, SEO).
  - *Focus on high-performance web development & clear communication.*

WORK EXPERIENCE

BairesDev | Jun 2022 – Present   Full-Stack Software Engineer | Remote

As a consultant, I've delivered solutions for multiple clients across different technology stacks, with a primary focus on the .NET and Angular ecosystem.

- **Fuel Consumption Analysis Feature (.NET/Angular):** Built a new module for a fleet management platform to analyze fuel consumption by driver. I developed the .NET 8 APIs to process the data and the Angular 17 frontend to display it, which included a complex grid with multi-select filters. This feature gives clients the data they need to see which drivers are most efficient.
- **Shift Finalization Background Service (.NET):** Created a .NET background service that processes vehicle data from Azure Event Hubs in near real-time. It aggregates trip metrics, finalizes driver shifts, and writes the results to BigQuery. This ensures our analytics dashboards are always working with accurate, up-to-date information.
- **Shopify Integration Service (.NET):** Built a .NET microservice from the ground up to sync product and inventory data with Shopify's API. A key challenge was handling their API rate limits, which I solved using an SQS queue for batching updates. The service successfully onboarded over 50 retailers and processed 400+ orders in the first 8 months.
- **Legacy API Modernization (Java/Spring):** In my initial engagement, I modernized a client's legacy Java APIs into Spring Boot REST services, improving database query performance and integrating the services into their CI/CD pipeline.

Geoi2 | *Aug 2019 – Jun 2022 | Hybrid (Campo Grande, Brazil)*   Software Engineer | Hybrid

- Replaced parts of a legacy JSF app with an Angular 13 micro-frontend and a Spring Boot backend, improving performance.
- Built a Java CLI tool for automating ETL processes for financial audits. Used Pentaho KTR for data extraction (Sybase, Firebird, PostgreSQL, MySQL to MongoDB) and Gzip for compression (90% reduction) over slow networks.

Fonte Tecnologia   *Software Engineer*
Aug 2017 – Aug 2019 | On-Site (Campo Grande, Brazil)

- Optimized a real-time vehicle tracking system for public safety dispatch, fixing a CPU bottleneck caused by inefficient timer usage.
- Developed a form module for emergency call reporting.

PSG Tecnologia   *Software Engineer*
Mar 2013 – Aug 2017 | On-Site (Campo Grande, Brazil)

- Organic Law System: Built a system for managing state law documents, including editing and version comparison features.
- PPA Thematic Programs Module: Developed a module for managing programs within the state's multi-year financial plan.

EDUCATION

Bachelor's in Computer Engineering
Uniderp (Jan 2009 – Dec 2013)

CERTIFICATIONS

Oracle Certified Java SE 11 Developer (Apr 2021)

LANGUAGES

English: Professional Proficiency
Portuguese: Native