RUI APARECIDO DE MORAES

Backend Developer (.NET)
Guarulhos, São Paulo, Brazil – Remote

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PROFESSIONAL SUMMARY

Backend Developer with 15+ years of experience in C# and .NET technologies, including .NET Core and ASP.NET Core. Strong experience designing and building RESTful APIs using ASP.NET Core and .NET Core, Minimal APIs, microservices, and background processing services.

Proven background in logistics, geolocation, and tracking systems, working with high-volume data, complex business rules, and system integrations. Hands-on experience across the full software lifecycle, including backend development, database design, cloud infrastructure, CI/CD pipelines, and production support.

Experienced in designing high-performance backend systems with strong focus on asynchronous programming, multi-threading, and memory optimization in distributed environments.

TECHNICAL SKILLS

Programming Languages:
C#, SQL

Frameworks and Platforms:
.NET Core, .NET 6, .NET 7, .NET 8, .NET 9, .NET 10, ASP.NET Core, Minimal APIs

Architecture and Design:
RESTful APIs(ASP.NET Core Web API), Microservices, Clean Architecture, SOLID principles, Domain-Driven Design (practical application)

Background Processing and Integration:
Worker Services, asynchronous processing, messaging concepts

Databases:
SQL Server (complex queries, stored procedures, performance tuning),

PostgreSQL, MySQL

Cloud and DevOps:
AWS (EC2, S3, RDS, Lambda, SQS, API Gateway), Azure (App Service, Azure SQL - basic exposure), Docker, CI/CD, GitHub Actions

Data Integration:

SSIS (ETL concepts and data integration), background processing

Operating Systems:
Linux, Windows Server

PROFESSIONAL EXPERIENCE

Backend Developer / Technical Lead
DataSmartCom – Brazil
March 2025 – Present

- Lead backend architecture and development of logistics and geolocation platforms using .NET 8, .NET 9, and .NET 10.

- Design and maintain REST APIs, Minimal APIs, and Worker Services supporting scalable and high-availability systems.

- Manage cloud infrastructure on AWS, including EC2 and RDS, focusing on security, scalability, and reliability.

- Implement and maintain CI/CD pipelines using GitHub Actions for automated build, test, and deployment processes.

- Define coding standards and architectural guidelines following Clean Architecture and SOLID principles.

- Provide technical guidance to leadership on system architecture, infrastructure decisions, and long-term platform evolution.

- Provide production support, monitoring, and issue resolution for high-availability systems.

- Architected and optimized distributed backend services with focus on multi-threading and asynchronous processing to handle high-volume geolocation data.

- Improved system performance and stability by applying memory management best practices in long-running background services.

Backend Developer (.NET)
MOOVII SP – Brazil
October 2023 – February 2025

- Deploy and maintain .NET backend applications in Linux and Windows Server environments.

- Configure and optimize PostgreSQL databases, including access control and performance tuning.

- Develop backend services for vehicle tracking and logistics systems, integrating HERE Maps APIs.

- Build Worker Services for asynchronous and high-volume transaction processing.

- Implemented asynchronous background processing and concurrent workloads to support real-time vehicle tracking systems.

Backend Developer (.NET)
Bernhoeft – Brazil
January 2023 – October 2023

- Develop and maintain backend features for document management systems in agile environments.

- Analyze and optimize SQL queries to support reporting and business decision-making.

- Maintain and enhance REST APIs used by enterprise applications.

Backend Developer (.NET)
Reserve Solutions – Brazil
December 2021 – December 2022

- Contribute to modernization of legacy web applications by migrating to newer .NET versions.

- Develop new backend features following software engineering best practices.

- Maintain and optimize background services to improve system stability and performance.

Backend Developer (.NET)
Primetech Technology – Brazil
September 2021 – December 2021

- Develop backend systems for an investment and brokerage platform.

- Design data models and backend components for financial systems.

- Implement authentication, authorization, and security policies.

- Maintain REST APIs and database integrations.

Technologies used:
.NET 5, ASP.NET Core, SQL Server, Entity Framework Core, REST APIs

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Backend Software Engineer (.NET)

CYBERNET – Brazil

October 2019 – September 2021

• Developed and maintained backend systems using .NET Core 3.x and .NET 5 in distributed environments.

- Consumed LoRaWAN transactions via RabbitMQ and synchronized data with external REST and SOAP APIs.

- Built microservices for FTP-based file processing and asynchronous background workloads.

- Implemented TCP/IP communication using JSON payloads between distributed systems.

- Managed deployment and publication of web applications on IIS servers.

- Configured edge devices (NUCs) for RFID and OCR data processing operations.

Backend Software Engineer (.NET)

BLUECORPGROUP – Brazil

November 2017 – September 2019

- Developed and maintained logistics web platforms using ASP.NET MVC and Web API.

- Designed and optimized PostgreSQL stored procedures and complex SQL queries.

- Integrated third-party web services for truck passage registration and highway monitoring systems.

- Maintained backend systems built with ASP.NET WebForms and ASP.NET MVC.

- Provided field system support and minor adjustments to embedded C++ applications.

Software Engineer (.NET)

YMF / TOTVS – Brazil

October 2008 – August 2015

- Developed and maintained financial reporting and billing systems using C#, ASP.NET MVC, WCF, and SQL Server.

- Built and maintained .NET-based satellite systems responsible for consuming enterprise services and generating regulatory financial reports (e.g., CVM 522, Investor Statements).

- Contributed to the development and evolution of "BookPrivate", a core reporting platform for Bradesco Private Banking.

- Implemented complex financial business rules related to reconciliation, portfolio reporting, and pension calculations.

- Integrated service-oriented architectures using WCF communication protocols.

- Supported automation initiatives that reduced manual reporting workflows in banking operations.

Software Developer

WAYOUT – Brazil

October 2016 – September 2017

• Migrated legacy system components from Visual Basic 6 to VB.NET.

• Performed functionality mapping and corrective improvements in converted modules.

Junior Software Developer

MOMBASSA INFORMÁTICA – Brazil

January 2007 – July 2008

• Developed Active Directory auditing processes for enterprise network storage management (Siemens).

• Built barcode label generation systems based on industrial measurement inputs.

PROJECTS

Task Management System
ASP.NET Core, Angular
Open-source project available on GitHub

CERTIFICATIONS AND TRAINING

Microsoft Certified .NET Developer
ASP.NET Core Minimal API Development
.NET Worker Service Development
Programming in C# and ASP.NET MVC (Microsoft)

LANGUAGES

Portuguese: Native
English: B2

Spanish: C1