

Matheus Nunes Pereira

Backend Software Engineer | .NET • Go • Node.js • AWS

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PROFESSIONAL SUMMARY

Software Engineer specialized in scalable backend architectures, Event-Driven Architecture (EDA), and Domain-Driven Design (DDD). Extensive experience building high-throughput microservices and enterprise APIs with C# (.NET 8), Go, and NestJS (Node.js/TypeScript), alongside distributed messaging with Apache Kafka, AWS (SQS, SNS), and real-time WebSockets (SignalR). Proven track record reducing system latency, engineering real-time fraud mitigation pipelines, and managing cloud infrastructure on AWS and Azure.

TECHNICAL SKILLS

- **Languages:** C# (.NET 8), Go, TypeScript, JavaScript (Node.js), SQL (PostgreSQL, MySQL), Rust, Python
- **Architecture & Patterns:** Domain-Driven Design (DDD), Clean Architecture, CQRS, Microservices, RESTful APIs, Event-Driven Architecture (EDA)
- **Messaging & Streaming:** Apache Kafka, AWS SQS, AWS SNS, RabbitMQ, SignalR, WebSockets
- **Databases & ORMs:** PostgreSQL, MySQL, MongoDB, SQLite, Redis, Entity Framework Core (EF Core), Prisma ORM
- **Cloud & DevOps:** AWS (SQS, SNS, EC2, ALB, S3, CloudWatch), Docker, CI/CD (Azure Pipelines, GitHub Actions), Linux
- **Certifications:** [AWS Certified Cloud Practitioner](#)

PROFESSIONAL EXPERIENCE

Monaco.gg — **Software Engineer / Product Builder**

August 2025 – Present | Remote

- Develop core backend services and real-time fraud detection engines for carrier-billed mobile gaming platforms across Brazilian telecom operators (Claro, Vivo, TIM).
- Architect asynchronous background worker queues using AWS SQS and SNS for decoupled processing of game session allowances and daily user quota auditing.
- Optimize cloud infrastructure on AWS (ALB HTTPS routing, EC2 sizing) and stabilize MongoDB replica configurations under high-concurrency traffic bursts.

Techmobi Tecnologia — **Backend Software Engineer (Freelance Contract)**

2024 – 2025 | Remote

- Designed and implemented the core Domain-Driven Design (DDD) layer in C# (.NET 8) with CQRS patterns (CreateCommandHandler / UpdateCommandHandler), modeling 40+ domain entities published as versioned enterprise NuGet packages via Azure Artifacts.
- Architected NestJS/TypeScript BFF services aggregating and processing real-time Weigh-in-Motion (WIM) telemetry across federal highways.
- Integrated real-time messaging using SignalR and WebSockets, replacing legacy polling mechanisms and substantially decreasing UI telemetry latency.
- Authored and maintained CI/CD workflows on Azure Pipelines with automated versioning, integrated testing suites, and conditional multi-environment deployments.

Pinó — **Full Stack / Frontend Software Engineer**

February 2022 – August 2025 (3 yrs 7 mos) | Remote

- Built and maintained scalable enterprise web and mobile applications using React, Next.js, React Native, and Flutter across modular MVC/MVVM architectures.
- Developed backend REST APIs in Node.js (Express) connected to relational MySQL databases hosted on AWS EC2 instances.
- Configured observability and product metrics pipelines via Google Tag Manager and Google Analytics.

Runking — **Backend & Mobile Developer (Freelance Contract)**

2023 – 2024 (1 yr) | Remote

- Engineered an offline-first data synchronization engine using SQLite and REST APIs, guaranteeing zero data loss during high-stress live marathon events.
- Integrated distributed logging and observability with OpenTelemetry for real-time application diagnostics without impacting throughput.

KEY PROJECTS

cpp-gen (Go CLI Tooling): Open-source CLI automation tool built in Go (Cobra) for modern C++ project scaffolding and CI configuration, distributed via Homebrew Tap and AUR.

HSWIM-EVK Simulator & Relay: High-fidelity hardware telemetry simulator and asynchronous TCP relay server capable of multiplexing high-throughput concurrent device connections.

EDUCATION & LANGUAGES

- **B.S. in Computer Science:** Universidade Estácio de Sá (2025 – 2029)

• **Languages:** English (Full Professional Proficiency) • Portuguese (Native)