Lucas Martins

Software Developer | Software Engineer
Phone: +55 69 99286-9879
Email: contato@martinz.me
Github: martinzdev
LinkedIn: linkedin.com/in/martinzdev

PROFESSIONAL SUMMARY

Software Engineer with over 4 years of experience building scalable systems and innovative solutions using Clean Architecture, Domain-Driven Design, and Test-Driven Development. Participation in large-scale projects with over 140,000 users, combining technical expertise with strategic vision. Specialized in TypeScript, Node.js, NestJS, and C# .NET with proven track record designing microservices, event-driven systems, and high-performance applications.

CORE TECHNOLOGIES

TypeScript, Node.js, NestJS, C# .NET, PostgreSQL, Docker, AWS, Microservices Architecture, Domain-Driven Design, Clean Architecture

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C#, SQL
Runtime & Backend Frameworks: Node.js, NestJS, Express, Fastify, ASP.NET Core, .NET Framework
Frontend: React, Next.js, Vue.js, Nuxt.js, React Native, Svelte, Tailwindcss
Databases/ORM: MySQL, MariaDB, PostgreSQL, MongoDB, Entity Framework, TypeORM, Prisma, Drizzle
Architecture: Clean Architecture, Hexagonal Architecture, DDD, Microservices, Event-Driven Architecture, CQRS
Design Patterns: Gang of Four, Repository, Strategy, Observer, Factory, Command, Mediator
APIs: REST, RESTful, RPC, TRPC, GraphQL
Testing: TDD, Unit Tests, Integration, E2E, Jest
DevOps & Cloud: Docker, AWS S3, CI/CD, GitHub Actions
Messaging: BullMQ, AWS SQS, Domain Events
Monitoring: OpenTelemetry, Grafana, Prometheus, Loki
Methodologies: Agile, Scrum, SOLID, Clean Code

WORK EXPERIENCE

Software Architect — March 2022 – September 2025

RUSH - Gaming Development Platform — *Remote, Brazil*

- Scaled gaming platform to over 140,000 users
- Designed frameworks in TypeScript and C# .NET for FiveM ecosystem, establishing quality standards
- Built robust framework in C# .NET with custom dependency injection container and event system
- Developed RPC system using native events for client-server communication
- Implemented monitoring with OpenTelemetry for distributed tracing
- Configured NGINX reverse proxy for high availability and load balancing
- Implemented Design Patterns including Strategy, Observer, Command, and Factory
- Technologies: TypeScript, C# .NET Mono 4.5.2, PostgreSQL, InversifyJS, Svelte, Tailwindcss, OpenTelemetry, NGINX, Design Patterns

Full Stack Developer — June 2023 – November 2024

RUSH - Custom Software Development — *Remote, Brazil*

- Developed custom solutions for multiple sectors including real estate, healthcare, and gaming
- Designed complete management platform for real estate companies including CRM, employee management, and payment control
- Built specialized CRM for psychology clinic optimizing patient flow and management
- Automated repetitive business processes including data analysis and automated email and message dispatching
- Implemented LinkedIn chatbot focused on automated customer service and client prospecting

- Developed custom firewall system for blocking unauthorized access on game servers
- Integrated multiple third-party APIs and payment gateways across various projects
- Technologies: Node.js, NestJS, TypeScript, React, Next.js, Vue.js, Nuxt.js, Svelte/SvelteKit, MySQL, PostgreSQL, MariaDB, Docker, Socket.io, AlpineJS, Python, C#, WPF(C#/ReactJS)

Software Engineer   January 2025 – July 2025
REPLIC   *Remote, Brazil*
- Responsible for all backend architecture, infrastructure, and DevOps, joining at a critical MVP stage with severe performance issues and core functionality failures
- Led complete backend migration to microservices architecture in NestJS, implementing DDD, Clean Architecture, and Event-Driven Architecture, solving critical performance bottlenecks
- Refactored scraping engine dramatically expanding compatibility with various web technologies, transforming a problematic feature into a competitive advantage
- Technical restructuring was fundamental for securing financial investment from PerfectPay and its investment networks
- Implemented integration with multiple payment gateways, custom subscription system, RBAC permission management, and complete telemetry with OpenTelemetry
- Developed proprietary infrastructure for automated hosting with CI/CD
- Technologies: NextJS, NestJS, TypeScript, Prisma, PostgreSQL, MongoDB, Docker, AWS S3, BullMQ, OpenTelemetry, DDD, Clean Architecture, Event-Driven, RBAC

PROJECTS

Physics Educational App - IFRO: Developed educational mobile application with React Native, React Navigation and Context API, integrated RESTful API. Technologies: React Native, Expo, REST API, Context API

EDUCATION

Bachelor's Degree in Computer Science (in progress – starting 2025)   September 2025 – September 2028
Cruzeiro do Sul University   *Brazil*

Certification in Clean Code and Clean Architecture with Design Patterns   2025
Rodrigo Branas

Technical Degree in Commerce   February 2020 – December 2022
Federal Institute of Rondônia   *Brazil*

LANGUAGES

Portuguese: Native
English: Intermediate (A2)