

# MARCELO MOREIRA

Backend & Full-Stack Engineer · JavaScript/Node.js (Express, NestJS) · PHP/Laravel · AWS · REST APIs

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## PROFESSIONAL SUMMARY

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Backend and full-stack engineer with 7+ years delivering SaaS platforms and custom software as an independent contractor, anchored by a long-running engagement with the software house ME2 Softwares since 2020 — building production systems in **JavaScript/Node.js (NestJS, Express) and PHP/Laravel** across healthcare, workforce, inventory & billing, property-records, and events domains. Comfortable owning either stack end-to-end — Express/NestJS or Laravel APIs on AWS with Docker — through to Vue.js and React front ends. Experienced with RESTful APIs, microservices and multitenant SaaS architectures, and more recently integrating LLM-based automation (OpenAI) into production workflows. Focused on clean architecture, testing, and shipping features end-to-end.

## TECHNICAL SKILLS

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**Backend:** JavaScript/Node.js (Express, NestJS), PHP 8+ (Laravel, CodeIgniter); RESTful APIs, microservices, multitenancy/SaaS, SOLID, design patterns, API-first design

**Frontend:** JavaScript (ES6+), Vue.js, React, HTML5, CSS3; Filament PHP (Laravel admin panels)

**Cloud & DevOps:** AWS, Docker, CI/CD (GitHub Actions), Git / Git Flow

**Databases & Caching:** MySQL (advanced), PostgreSQL, MongoDB, Redis (queues & caching), ETL

**Testing & Quality:** PHPUnit, TDD, code reviews

**Security:** JWT / OAuth2, token-based auth, OWASP practices, API security

**AI / LLM:** OpenAI API integration, Anthropic, LLM-assisted automation (n8n), prompt engineering

**Ways of working:** Agile (Scrum / Kanban), sprint planning, backlog grooming; Jira, Postman, OpenAPI

## PROFESSIONAL EXPERIENCE

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### Senior Full-Stack Engineer (Independent Contractor) 2020 – 2026

ME2 Softwares — Fortaleza, Brazil (long-term client)

- Delivered custom client software and in-house SaaS products across **healthcare, workforce, inventory & billing, property-records, and events** domains, building backends in Laravel and **JavaScript/Node.js (Express, NestJS)**, with Vue.js and React front ends.
- Built a clinic management system covering patient records, scheduling and day-to-day administration, applying token-based authentication and OWASP practices for sensitive health data.
- Built a workforce time-and-attendance system with an accrual-based work-hours balance, implementing overtime and balance rules.
- **Built a NestJS-based multitenant SaaS for inventory management and client billing/invoicing**, and have maintained it in production since launch.
- Developed the **JavaScript/Node.js (Express) backend for a property-records platform** (land-registry and deed lookups), including a client portal giving each customer private, scoped access to their own property records; supported the system in production on an ongoing basis.
- Built an event ticket-sales platform, integrating payment gateways and handling demand spikes during on-sale periods.
- Designed multitenant SaaS architecture and moved services to a containerised setup on Docker and AWS, so a single codebase could serve multiple client organisations with independent deploys.
- Built LLM-powered automation workflows with n8n and the OpenAI API to remove manual, repetitive processing.
- Established a TDD practice with PHPUnit and tuned MySQL queries and Redis caching to improve reliability and performance.
- Delivered features through a containerised CI/CD pipeline on GitHub Actions, where each commit automatically built multi-stage Docker images (arm64) and pushed them to Amazon ECR.
- Built **DevMind**, an internal AI code-review platform (Laravel, React, OpenAI API, Docker/AWS) that automatically analyses every pull request and tracks a project's code-quality trends over time on a dashboard for the dev team.
- Coordinated a small engineering team as Product Owner — sprint planning, backlog grooming, and stakeholder management.

## Client Projects (Independent Contractor)2020 – 2022

*Independent backend & full-stack engineering — Fortaleza, Brazil*

- **Jettax — Tax automation** (*Laravel, Vue.js*), 2021–2022: built tax-automation modules and integrated government APIs for regulatory compliance.
- **Mobile Saúde — Healthcare** (*PHP CodeIgniter*), 2021: maintained and refactored a legacy healthcare system and improved database performance.
- **Mobs2 — Vehicle Telemetry** (*React, Vue.js, Laravel*), 2020–2021: delivered frontend components and REST APIs; integrated telemetry system.
- **Fábrica 704 — Backend** (*PHP, Node.js*), 2020: refactored a legacy PHP backend following SOLID principles and design patterns, and supported a Node.js microservice for an urban-mobility platform.

## Back-End Developer2019 – 2020

*Colégio Lourenço Filho — Fortaleza, Brazil*

- Built MySQL automation scripts and ETL migration tools for administrative systems.

## IT Support Analyst2017 – 2019

*ISSEC — Ceará State Government (Health) — Fortaleza, Brazil*

- Managed biometric software across multiple health-network sites; reduced support tickets through documentation and training.

## EDUCATION

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### B.Sc. equivalent — Computer Systems Analysis (Análise de Sistemas)2011 – 2014

*Universidade Estadual Vale do Acaraú (UVA), Brazil*

## CERTIFICATIONS & TRAINING

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Laravel REST APIs (Udemy) · React Fundamentals (Udemy) · Information Security Foundations (Coursera) · Programming Logic & Algorithms (Coursera).

## LANGUAGES

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Portuguese — Native · English — Professional Working Proficiency (B2, working towards C1)