

Walter Bruno Prado Vieira

Full-Stack Software Engineer · TypeScript · Node.js · React · AI/LLMs

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PROFESSIONAL SUMMARY

Full-stack software engineer with 5+ years building software (around 4 full-time as a developer, after building projects alongside a prior B2B sales career), a product engineering mindset and a **business background**: I translate business needs into product and build scalable platforms, **production AI systems** and well-architected APIs, from design to deployment. Core stack in **TypeScript** (Node.js/NestJS withDDD and hexagonal architecture, React/Next.js); also Python and Go. Strong in AI integration (LangGraph, LangChain, RAG, agents, MCP) and cloud-native delivery on AWS (Docker, Kubernetes, Terraform, Ansible). Well-tested code: APIs with thousands of tests (unit and E2E), from database to interface.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Go, Rust, C#, SQL.

Backend: Node.js, NestJS, Go, Rust, REST APIs, Prisma, PostgreSQL, MySQL, Redis, RabbitMQ, Bull MQ.

Frontend: React, Next.js, React Native, Tailwind CSS, Three.js / WebGL, GSAP, next-intl.

UI/UX: design sensibility (visual hierarchy, typography, spacing, color and contrast), accessibility and responsive design; Figma, Photoshop and Illustrator.

AI / LLMs: LangGraph, LangChain, RAG, multi-agent systems, MCP, vector DBs (Pinecone), Claude and OpenAI, Langfuse; Claude Code and AI-driven development (AI-driven workflow).

Cloud & DevOps: AWS, Docker, Kubernetes, Terraform, Ansible, Linux, CI/CD.

Security: OWASP (XSS, SQLi, CSRF), JWT, OAuth, RBAC, HTTPS/TLS, AWS IAM.

Architecture & Quality: DDD, Clean Architecture, hexagonal architecture, microservices, unit and E2E testing, observability.

PROFESSIONAL EXPERIENCE

WB Digital Solutions · Full-Stack Software Engineer (Freelance) | Feb 2023 – Present

- Build end-to-end B2B platforms with TypeScript/Node/NestJS (DDD and hexagonal), React/Next.js and AWS cloud.
- Built a B2B CRM with AI lead scoring, automated proposal generation and financial analysis.
- Created production AI assistants (LangGraph/LangChain, RAG) with observability (Langfuse) and deployment via Docker/Ansible.
- I work from database to interface: modeling, API, frontend, testing (unit and E2E) and infrastructure as code.

Prior Career · B2B Technical Consultative Sales

- 25+ years in B2B technical consultative sales, from industrial equipment to software, with enterprise account management (Reckitt, Carrefour, Colgate) and solution consulting. This business experience sets me apart as an engineer: I translate business needs into product.

PROJECTS

- **Revalida Italia:** custom-built learning platform (LMS) with courses, video lessons, mock exams and flashcards, in Clean Architecture and DDD, with 8k+ unit tests and 4k+ E2E. Next.js, NestJS, PostgreSQL, Prisma, Redis, Bull MQ, AWS, Terraform, Ansible.
- **Treino Aliado** (personal SaaS, in development): multi-tenant platform to run martial-arts academies end to end (memberships, scheduling, idempotent class check-in, student progress), designed around a standout feature: deriving from attendance which techniques each student has actually covered and flagging churn risk. Engineered as a Go modular monolith (DDD, hexagonal) with schema-per-context isolation, transactional outbox and CQRS read models, and a contract-first API (OpenAPI) guarded by a CI drift gate and HTTP-to-Postgres integration tests. Go, PostgreSQL, Next.js, Docker.
- **AI Multi-Agent System:** orchestration with LangGraph, where a router classifies intent and dispatches to specialized agents. Python, FastAPI, LangGraph, LangChain, OpenAI, Anthropic.
- **WB CRM:** full sales CRM (kanban pipeline of leads, contacts and deals, cadences and email/WhatsApp campaigns). Next.js, NestJS, PostgreSQL, Prisma, Google APIs.

EDUCATION & TRAINING

Full Cycle · MBA in Software Engineering with AI (in progress) | 2025 – 2026

400h: architecture in the AI era (agents vs microservices, MCP, RAG, vector DBs), AI-driven development (AI-driven workflow) and agent development (LangGraph, CrewAI), prompt engineering and DevOps/SRE with AI.

Full Cycle · Postgraduate (Lato Sensus) in Go Expert (Golang) (in progress) | 2026 – 2027

360h: Go fundamentals and internals (runtime, goroutines, scheduler, garbage collector), concurrency and multithreading (channels, workers, mutex, race conditions), REST/gRPC/GraphQL APIs, Clean Architecture and SOLID, automated testing (unit, e2e, benchmarking, fuzzing), RabbitMQ and Docker/Kubernetes deploy; guest module by Robert C. Martin (Uncle Bob).

Data Science Academy · AI Engineer Program | 2023

384h: machine learning, deep learning and neural networks, NLP, computer vision, generative AI and LLMs, with model deployment in Python.

Rocketseat · Ignite Full-Stack | 2021 – 2023

Advanced full-stack track: Node.js and TypeScript (REST APIs, testing, SOLID, Docker), React and Next.js, React Native, with hands-on projects.

TrueCoders · Software Development Bootcamp | 2020

Intensive 500+ hour, project-based bootcamp with live classes (US school, Birmingham): C#, .NET Core, ASP.NET MVC, MySQL, Git and HTML; individual and group projects.

Also: FGV · Postgraduate Specialization in Sales, Negotiation & Marketing (completed, 2013–2014); UNIP · Logistics Degree (coursework completed, not finalized, 2010–2012).

LANGUAGES

Portuguese (Native) · English (Fluent) · Italian (Fluent) · Spanish (Professional) · German (Beginner).