DAVI REZENDE

Full Stack Developer | Node.js | NestJS | React | Generative AI
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PROFESSIONAL SUMMARY

Full Stack Developer with 5 years of experience in backend, frontend, systems architecture and generative AI products (voice agents and chatbots). Specialized in Node.js, NestJS, TypeScript, React and Next.js. Proven experience with Clean Architecture, Domain-Driven Design (DDD), SOLID, event driven systems and distributed queues (BullMQ/Redis). Track record of leading architecture migrations and frontend refactors, delivering measurable gains in performance, stability and user retention.

PROFESSIONAL EXPERIENCE

Full Stack Developer Oct 2026 – Present
Ileva

- Develop features across Ileva's product suite, a management platform and mobile app for vehicle protection associations with clients in over 20 Brazilian states.
- Work on the sales (leads, proposals and digital contracts), claims management and member and vehicle management modules.
- Work across all layers of the application, from Angular and jQuery interfaces to the PHP backend and MySQL database.

Mid-Level Full Stack Developer Oct 2025 – Oct 2026
PitchYes

- Developed and iterated system prompts and function calling for a generative AI voice agent (Alice product), defining structured rules for availability checks, meeting scheduling and call termination.
- Debugged and stabilized an AI voice agent (VAPI) that was incorrectly triggering the scheduling tool in callback flows, refining prompts until the behavior was fixed.
- Integrated the AI voice agent with n8n workflows and the CobCloud collections CRM, automating customer debt negotiation.
- Designed and built from scratch the Cadences system with a queue based architecture (BullMQ + Redis), replacing sequential campaigns with simultaneous execution of multiple leads in multi-step flows, increasing monthly processed calls by 273% (from 306,048 to 1,143,174).
- Led the migration of the main API from Express to NestJS, applying Clean Architecture and Domain-Driven Design (DDD), with well defined modules and dependency injection through interfaces.
- Led the refactor of the legacy frontend into a modern React interface.
- Designed and maintained self-hosted infrastructure (Docker, MongoDB with Replica Set and Change Streams, Redis, Trigger.dev, MinIO, Nginx with SSL), with monitoring through observability tools (Datadog).
- Implemented a full integration with the WhatsApp Business API (Meta Embedded Signup) and Meta Graph API.
- Established AI usage governance for the engineering team (AGENTS.md) and orchestrated AI agents for growth/outbound and customer success.

Full Stack Developer Jun 2022 – Oct 2025
Smart New Sistemas e Tecnologias

- Led the migration of the company's entire platform (finance, purchasing, contracts, sales, tasks, checklists, balance) to a modern stack: React, Next.js and Node.js.
- Built a bulk PDF generation system (react-pdf) for corporate reports, improving generation time and the export experience.
- Implemented forms with smart validation using Zod and React Hook Form, reducing submission errors.
- Built advanced, high performance dashboard filters, optimizing queries and rendering for large data volumes.
- Developed an offline-first fleet checklist app in React Native.
- Measurable results: 70% fewer customer complaints, 45% better performance, data sync time reduced from 10 min to 40 s and 67% higher user retention.

TECHNICAL SKILLS

AI and Automation: Generative AI, LLMs, Prompt Engineering, Function Calling, AI Agents, Agent Orchestration, Voice Automation and Chatbots, VAPI, n8n

Backend and Architecture: Node.js, NestJS, Express, Fastify, TypeScript, PHP, Clean Architecture, Domain-Driven Design (DDD), SOLID, Microservices, Event Driven Systems, Distributed Queues (BullMQ, Redis)

Frontend: React.js, Next.js, React Native, Angular, jQuery, TypeScript, HTML5, CSS3, Tailwind CSS, Zustand, Vite, Component Design, Responsive Design

Data and Infrastructure: PostgreSQL, MySQL, MongoDB (Replica Set, Change Streams), Redis, Docker, Docker Compose, Nginx, Certbot, SSL, Linux, PM2

Integrations and APIs: REST APIs, GraphQL, Meta Graph API, WhatsApp Business API, Instagram API, TikTok API, JWT/OAuth Authentication

Quality and Practices: Automated Testing, Clean Code, Git, GitHub Actions, CI/CD, Observability (Datadog), Kanban, Code Review

EDUCATION

Associate Degree in Systems Analysis and Development Jan 2026 – In progress
SENAC Goiás