Danilo Pedrosa

Senior Software Engineer

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SUMMARY

Senior Software Engineer with 9+ years of experience building scalable SaaS platforms and distributed systems. Specialized in Node.js, React, and cloud-native architectures with strong experience in AI-powered applications, semantic search systems, and high-scale APIs.

Proven track record delivering systems used by enterprise retailers and logistics platforms processing hundreds of thousands of daily transactions while improving product discovery, operational efficiency, and engineering velocity.

Experienced owning systems end-to-end, from architecture and infrastructure to developer platforms and user-facing applications.

EXPERIENCE

Senior Full Stack Engineer   **Feb 2025 – Mar 2026**
Superbar   *Remote*

- Enabled conversational product discovery for enterprise retailers by implementing semantic search using Typesense and vector embeddings, reducing product discovery time by an estimated 30–40%.

- Built AI agents using LangChain integrating OpenAI and Anthropic models to guide shoppers through product search, sizing recommendations, and store locator workflows.

- Designed an embeddable chat widget platform capable of running across arbitrary merchant websites using an isolated runtime architecture, allowing retailers to deploy AI assistants without modifying their storefront code.

- Architected distributed ingestion pipelines using AWS SQS processing thousands of product updates and embedding generation jobs daily, enabling near real-time catalog updates for merchant storefronts.

- Developed a merchant-facing Next.js platform supporting onboarding, analytics and billing, allowing retailers to deploy and manage AI sales assistants without engineering involvement.

- Implemented integrations with Shopify, WooCommerce and Magento enabling automated ingestion of large product catalogs into the AI search platform.

Full Stack Developer   **May 2022 – Feb 2025**
Lumenalta (formerly Clevertech)   *Remote*

- Developed enterprise SaaS platforms using React and Node.js for US clients supporting high-volume systems processing tens of thousands of requests per minute.

- Designed scalable APIs using NestJS and AWS Lambda supporting event-driven workflows and peak traffic loads estimated at 50k+ requests per minute.

- Led architectural decisions across frontend and backend systems improving maintainability and accelerating feature delivery across engineering teams.

- Built reusable UI component systems using Radix UI and Storybook reducing development time for new features and improving design consistency across applications.

- Implemented automated testing strategies using Jest, Vitest and Testing Library reducing regression issues and improving deployment reliability across production systems.

- Mentored engineers through code reviews and architectural discussions improving engineering quality and team productivity.

Senior Software Engineer   **Apr 2020 – May 2022**
Loggi   *São Paulo, Brazil*

- Contributed to distributed logistics systems powering Brazil's largest delivery platform responsible for processing over 300k packages daily.

- Led development of a React PWA used by logistics operators to manage package flows across distribution centers supporting nationwide logistics operations.

- Built REST and gRPC services using Node.js and Django enabling real-time logistics coordination across multiple backend services.

- Implemented observability tooling and Grafana dashboards improving operational visibility and reducing incident resolution time for production systems.

- Introduced testing and documentation standards improving reliability and maintainability of mission-critical logistics services.

Software Engineer (Early Career Roles)   **2016 – 2020**
Various Companies   *Brazil*

Worked across multiple SaaS and data platforms building Node.js APIs, React applications, reporting dashboards and backend services for startups and enterprise clients.

EDUCATION

B.Sc. Information Systems
Federal University of Pernambuco

SKILLS

Languages: JavaScript, TypeScript, Python, SQL
Backend: Node.js, NestJS, Django, REST APIs, gRPC, Microservices
Frontend: React, Next.js, Tailwind, Zustand, Radix UI
Cloud & Infrastructure: AWS (Lambda, SQS, RDS, S3), Docker, CI/CD
Data: PostgreSQL, MongoDB, Redis, Elasticsearch
AI / Search: LangChain, Vector Search, RAG Systems