

MATEUS PEREIRA DA SILVA

Senior Product Engineer - Software • Product Engineering • Infrastructure • AI

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SUMMARY

Senior Product Engineer with 5+ years building software from idea to production. I usually end up owning more than implementation: architecture, product decisions, technical direction, and the systems that keep products running after launch. At VE3 I help shape a platform used by more than 30 enterprise customers. Outside work I build products from zero, including an AI travel platform and an open source workflow engine.

TECHNICAL SKILLS

Languages: Go, TypeScript, Python, JavaScript

Backend: REST APIs, Microservices, Distributed Systems, SDKs, Background Workers, Serverless Functions

AI: LLM Integrations, RAG Systems, Agent Workflows, Structured Outputs

Data: PostgreSQL, MySQL, Redis, Apache Kafka

Infrastructure: AWS, Docker, Cloudflare, Prometheus, Grafana, CI/CD

Architecture: System Design, Event-Driven Architecture

Frontend: React, Next.js, Vite

EXPERIENCE

VE3 - Enterprise Data Platform (B2B SaaS)

Senior Product Engineer

Aug 2022 - Present | Remote

Promoted three times in four years: Intern → Junior → Mid-level → Senior

- Own product areas end to end, from discovery and data modeling to implementation, deployment, and production monitoring.
- Partner with product and design to shape features before implementation, balancing technical trade-offs, customer needs, and delivery speed.
- Lead the technical design of platform and AI features, making architecture decisions that become part of the team's standard approach.
- Improved the performance of the platform's highest-traffic customer workflow by 75% through PostgreSQL optimization, reducing load times on one of the most heavily used parts of the product.
- Shipped a production RAG system and now lead development of the in-product AI experience, owning the feature from specification to production across backend and frontend.
- Built REST APIs, SDKs, and Go/Python microservice orchestration for high-volume, multi-tenant workflows.
- Built the distributed infrastructure behind a forecasting platform running 25+ predictive models over millions of records.
- Established production observability across the platform with Prometheus, Grafana, and CloudWatch, improving visibility into system performance and reliability.

Self-Employed - Software Developer

Feb 2021 - Aug 2022 | Remote

- Built production web applications and automation systems for clients, eliminating repetitive operational workflows and reducing manual work.
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PROJECTS

Plan Patagonia - Co-founder (0→1)

TypeScript · Next.js · React · Prisma · Neon Postgres · Docker · S3 · Cloudflare · Claude API

Building a travel platform that continuously adapts Patagonia itineraries based on weather, reservations, and transportation. I own product, architecture, AI integrations, and engineering.

Workflow Execution Engine (WEE) - Open Source

Go · JSON Schema · CLI · LLM APIs

Open source workflow runtime that turns engineering processes into executable, replayable workflows with schema-enforced outputs, observability, and cost controls. Ships as a single static Go binary.

Kafka Go SDK - Open Source

Go · Apache Kafka

Every Kafka service ends up reimplementing connection, retry, and error handling. This SDK packages those patterns once so services can focus on shipping events instead of plumbing.

LANGUAGES

Portuguese (Native) · English (Fluent) · Spanish (Beginner)