

# Victor Gutierre

Senior Full-Stack Engineer: Front-End · React/Next.js · Node.js · .NET

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## SUMMARY

Senior full-stack engineer with a track record of building and scaling products across fintech, logistics, and e-commerce, with front-end as the core. Most recently at omoqo GmbH (HHLA Group), one of the main contributors to TOM: a cloud-native Terminal Operating System for live European port operations, working across real-time React/MobX frontends and a .NET 8 backend with event sourcing, CQRS, and microservices. Previously at BTG Pactual, contributing to Open Finance APIs under Brazilian Central Bank regulation across three consecutive phases on non-negotiable legal deadlines. Also active in AI agent infrastructure, running a multi-channel LLM orchestration platform (WhatsApp, Telegram, Slack, Discord) with containerized agent execution and scheduled autonomous tasks.

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## EXPERIENCE

### omoqo GmbH · HHLA Group

Sep 2023 – May 2026 · Hamburg, Germany (Remote)

#### Software Engineer

- One of the main contributors to TOM (a cloud-native Terminal Operating System for live European port operations), focused on the **planning module**: the core service for container order creation and full lifecycle tracking, covering vessel, tally, gate, rail, truck, and operator workflows, including holds, dangerous goods, and non-numeric cargo.
- Implemented full-stack features end-to-end: .NET 8 CQRS handlers (Wolverine), validators (FluentValidation), events (Google Pub/Sub), and React/MobX frontend with real-time SignalR updates.
- Operated within a multi-tenant event-driven architecture: 14 microservices, event sourcing with Marten (PostgreSQL), Kubernetes, Auth0.
- Worked in a team that adopted AI-augmented engineering workflows (Claude-based agents for automated PR review and code analysis); this exposure led to independently deploying and operating an equivalent multi-channel agent system (NanoClaw) for personal production use.
- Visited live port terminals; participated in 10+ team events in Hamburg over the engagement.

### BTG Pactual

Jul 2021 – Sep 2023 · São Paulo, Brazil (Remote)

#### Software Engineer

- Delivered Open Finance APIs under Brazilian Central Bank (BCB) regulatory mandate: 3 integration phases on schedule with non-negotiable legal deadlines.
- Stepped into a tech lead role in the final months: ran ceremonies, conducted code reviews, delivered executive reports, and represented the team.
- Built high-availability APIs handling financial consent flows, account aggregation, and payment initiation for millions of customers.
- Stack: Node.js, TypeScript, React, Angular, AWS, PostgreSQL, OAuth 2.0.

**Grupo Netshoes · Magalu**

Jun 2017 – Jul 2021 · São Paulo, Brazil

*Front-end Engineer*

- Joined when no post-purchase experience existed on the platform; built returns, exchanges, and order management from scratch for Brazil, Mexico, and Argentina.
- Part of the checkout squad that redesigned the entire purchase flow from a single-page to a multi-step UX; main goal was reducing drop-off and improving conversion, validated through A/B testing.
- Optimized CI/CD pipelines for a 30+ store build system, cutting end-to-end build times by 66% (from ~45 min to ~15 min) using Jenkins and custom tooling.
- Built an internal templating system to generate marketing and transactional emails across all stores from a unified layout, eliminating per-store manual production.
- Covered three core product areas over the engagement (post-purchase, checkout, and storefront) on a high-traffic platform serving millions of daily users across 3 countries.

**Earlier career: Agência Intensiva, iG Portal, Beleza na Web, evino**

2014 – 2017 · São Paulo, Brazil

*Front-end Developer*

- Led the full homepage redesign of iG, one of Brazil's largest news portals (30M+ daily pageviews), as sole front-end developer on the project.
- Built e-commerce platforms, subscription flows, and A/B testing features across agency, beauty, and wine retail contexts.

**PROJECTS****NanoClaw**

2026 – Present

*Personal project: AI agent platform (production)*

- Runs NanoClaw (an open-source multi-channel AI agent platform) in production with significant customizations on top: custom agent identities per channel, automated briefings, scheduled tasks, and channel-specific behavior.
- Configured multi-channel routing across Telegram, WhatsApp, Slack, and Discord; per-group containerized agent execution with isolated filesystems and persistent session memory; IPC-based host-to-container orchestration; and a cron scheduler with bash pre-execution gate scripts for cost-controlled agent wake-up.
- Stack: Node.js, TypeScript, Docker, SQLite, Anthropic Claude Agent SDK.

**Kether**

2024 – Present

*Independent technical consultancy*

- Full-stack consultancy for startups and SMBs: architecture definition, greenfield system delivery, and ongoing engineering support. Handles both the technical execution and the product conversation to define what gets built. Stack varies by client: Next.js, NestJS, Angular, Node.js.

**TECHNICAL SKILLS**

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|--------------------------|---|
| <b>Frontend</b>          | React, Next.js, Angular, Vue.js, MobX, SignalR  |
| <b>Backend</b>           | Node.js, TypeScript, NestJS, .NET 8 / C#, Python  |
| <b>Architecture</b>      | Event-Driven Architecture, CQRS, DDD, Microservices, Event Sourcing                     |
| <b>Cloud &amp; Infra</b> | AWS (Lambda, API Gateway, DynamoDB, SQS, SNS), Kubernetes, Docker, Google Cloud Pub/Sub |
| <b>Databases</b>         | PostgreSQL, DynamoDB, Marten, Redis, SQLite   |
| <b>Auth &amp; APIs</b>   | Auth0, OAuth 2.0, REST, OpenAPI   |

**AI & LLM**

Anthropic Claude API, Claude Agent SDK, multi-channel agent orchestration, containerized LLM execution with per-context filesystem isolation, session persistence, IPC-based host↔agent communication, gate scripts for cost-controlled scheduling, prompt engineering, AI-augmented development workflows

**Languages**

Portuguese (native), English (fluent), Spanish (intermediate), German (A1, in progress)

**CERTIFICATIONS & EDUCATION**

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|---|-------------|
| Architecting on AWS, Amazon Web Services                | Jul 2022    |
| Developing on AWS, Amazon Web Services                  | May 2023    |
| Future Leadership, Hyper Island Brasil                  | Jun 2023    |
| Systems Analysis and Development, Universidade Paulista | 2015 – 2016 |