

Gil Lopes Bueno · Senior Full-Stack Engineer · Sao Paulo, Brazil (UTC-3)

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I'm a Senior Full-Stack Engineer with 19+ years building production web applications in React, Next.js, TypeScript and Node.js. I've shipped complex dashboards, configurable form-driven platforms, and the backend systems behind them — including a logistics platform processing 50M+ invoices for 60,000 couriers.

On the frontend, I traced a slow customer dashboard down to its data layer and took an 8-second query to a few milliseconds, then rebuilt it with several customized graphs. I also designed a form engine that lets non-technical teams configure entire workflows without a deploy, for Louis Dreyfus Company's global compliance platform. On the backend I work in Node.js, Java and Kotlin, with REST/GraphQL APIs, PostgreSQL/MySQL, and AWS.

I co-founded Simpli and grew it from a two-person startup into a 30-person software house delivering 50+ products, which built the habit of owning a feature end to end — from the database schema to the pixel on screen. Lately I've also put AI coding agents to work inside real development workflows. I'm looking for a hands-on role building web products end to end.

Notable Achievements

- Neon Wallet – US\$1B+ in traded volume
- iTrack – 50M invoices; 60k couriers; 2k companies
- Sharity – R\$2M in donations; 100k users
- Multilaser Runin – Embedded in 20M+ devices
- Apptite – US\$1.6M GMV; 100k orders; 50k users
- Desabafa – 700k posts

Skills

WEB FRONTEND: JavaScript (2008-now), TypeScript (2016-now), React.js (2016-now), Next.js (2021-now), Tailwind (2020-2025), SvelteKit (2023-2024), Chakra UI (2020-2023), React Query (2021-2025), Redux Toolkit (2021-2024), ECharts (2019-2025), Valtio (2023-2025), Vite (2022-2025), Jest (2018-2025), Playwright (2023-2024), Storybook (2020-2024), React Hook Form (2020-2023)

BACKEND: Node.js (2012-2025), Java (2008-2024), Kotlin (2016-2024), MySQL (2013-2024), PostgreSQL (2013-2025), NoSQL (2018-now), Prisma (2021-2025), GraphQL (2021-2024), REST (2012-now), WebSockets (2016-2025), Microservices (2019-now), Distributed Systems (2019-now), Solution Architecture (2016-2025), Redis (2015-2024), Docker (2016-now), AWS (2013-2025), ECS (2016-2025), S3 (2015-2025), SNS (2015-2025), SQS (2015-2025), Terraform (2019-2025), CI/CD (2018-now), GitHub Actions (2020-now), C# (2018-2024), Python (2018-2024), Express (2012-now), TypeGraphQL (2021-2024), Apollo (2021-2024), Jersey (2020-2023), PayPal (2016-2020), Elasticsearch (2019-2025)

AI ENGINEERING: AI Process Automation (2025-now), Agent Development (2025-now), MCP (2025-now), Claude Skills (2025-now), Harness Engineering (2026-now), Spec-Driven Development (2025-now), Claude (2025-now), Anthropic API (2025-now), OpenAI API (2023-now), Claude Code (2025-now), Cursor (2024-now), Context Engineering (2025-now), Agentic Workflows (2025-now), Evals (2025-now), RAG (2024-now)

LANGUAGES: English (C2), Portuguese (Native)

Work Experience

33Labs • Software Engineer • Sep 2025 - current

At 33Labs (formerly 33Audits), I've designed and implemented scalable backend services and application architecture for decentralized financial products.

The company began as a security auditing firm, which has given me daily experience preventing vulnerabilities in production systems. I've worked end to end — architecture, implementation, and automated testing — with security engineers involved throughout. This led me to a key conviction: review should start at the architecture stage, before any code is written. To support it, I built developer tooling and AI-assisted workflows that improved the team's productivity.

Tech: Solidity, Foundry, Ethereum, EVM, System Architecture, AI Tooling, REST · <https://www.33labs.ai/>

Simpli • Co-founder | Software Engineer | CTO • Oct 2013 - May 2025

I co-founded Simpli as a two-person startup focused on building a B2C mobile product, which quickly evolved into a fast-growing software house serving a wide range of clients. In its first year, the company pivoted to delivering custom distributed applications

and scaled organically through consistent delivery and client satisfaction. Over 11 years, we delivered 50+ successful digital products for both startups and enterprise clients — mostly React, Next.js and Node.js on the frontend and backend, plus Java/Kotlin services where a client's stack called for it.

I played a key role in shaping both the technical direction and business strategy of the company, leading system architecture, technical roadmaps, and documentation, and building an engineering org of 30 including 5 team leads. My work ranged from hands-on feature development to driving technology adoption and process design — helping turn product ideas into real businesses by aligning technical execution with market opportunities.

Provisioning AWS infrastructure was a recurring part of that work. With 50+ projects, we needed a standard: a checklist for spinning up a new account, a baseline set of IAM roles, and a reusable Terraform starter kit so no project's infra started from a blank page — the same template became a paved road that sped up every project's first deploy.

Tech: Java, Kotlin, C#, TypeScript, Node.js, React.js, React Native, Next.js, Angular, SvelteKit, Android, iOS, Xamarin, Electron.js, JQuery, Backbone, Python, R, MySQL, PostgreSQL, Redis, GraphQL, Jersey, AWS, ECS, S3, SNS, SQS, Web3, Blockchain, Smart Contracts, Cryptography, Cadence, Flow, Prisma, WebSockets, PayPal, Elasticsearch, REST, JavaScript, Tailwind, React Query, Redux Toolkit, ECharts, Valtio

Simpli · Enclave Wallet • Software Engineer | Product Owner | UI/UX Designer • Jun 2024 - Feb 2025

Enclave is a fintech-style application for secure digital asset management, built so non-technical users can onboard as smoothly as in a traditional web app. Working with a small team, I owned the product vision, usability, and the entire frontend — built in React and Next.js — contributed to the Node.js backend services, and led the system design of the indexer and API behind the app's activity explorer. One example of that indexing work: handling chain reorgs. Every block was stored keyed by its own hash and its parent's, so detecting a reorg meant walking back parent hashes until the indexer found one it already had — the fork point. From there, the orphaned blocks and the balances derived from them were invalidated, and the canonical chain was replayed forward through idempotent handlers, so reprocessing never double-counted a transaction.

Tech: TypeScript, React.js, Next.js, Node.js, PostgreSQL, AWS, ECS, S3, SNS, SQS, Smart Contracts, Cryptography, Prisma, WebSockets, Elasticsearch, REST, Tailwind, React Query, ECharts, Valtio · <https://enclavewallet.com>

Simpli · Neon Wallet • Software Engineer | TechLead • July 2021 - July 2024

Neon is the leading wallet in the Neo ecosystem, with over \$1 billion in traded volume, built in React, React Native and Electron. I was responsible for architecting its mobile version and later contributed to the desktop app. During my time on the project, I tackled key challenges such as supporting multiple blockchain networks, managing multiple accounts simultaneously, implementing WalletConnect integration, and developing the protocol for network interaction, along with several other critical integrations.

Tech: TypeScript, React.js, React Native, Blockchain, Electron.js, REST, React Query, Redux Toolkit · <https://coz.io/neon-wallet/>

Simpli · Sharity • Software Engineer | TechLead • Mar 2021 - Aug 2024

Sharity was a crowdfunding platform for charitable causes that I built from creation through scaling, growing it past 100 thousand users. It was eventually sold to Abacashi, a bigger competitor, and I was invited to lead the engineering side of that merger in recognition of the quality of Sharity's system — refactoring Abacashi's legacy C#/Angular codebase over to Node.js and React with the platform staying live the whole time, using a Strangler Fig strategy to migrate it piece by piece instead of a big-bang rewrite. One example of the work on Sharity itself: an event-driven achievements system, with badges and real-time progress bars for challenges that could chain off one another. Business events flowed through SQS, and idempotency was enforced by inserting each event's ID into a dedupe table in the same MySQL transaction as the counter increment, so a duplicate delivery just aborted instead of double-counting; chained challenges unlocked themselves by publishing a follow-up event back onto the queue, with no need for global ordering. It held up at 100k+ users, and was later reused as-is inside Abacashi after the merger.

Tech: TypeScript, React.js, Kotlin, Java, Node.js, Next.js, GraphQL, MySQL, AWS, SQS, C#, Angular, Prisma, Elasticsearch, REST, S3, ECS, Tailwind, Redux Toolkit, ECharts · <https://sharity.com.br> · NeoFeed: Abacashi acquires Sharity

Simpli · LDC's She Digital • Software Engineer | TechLead • Oct 2019 - Nov 2020

Louis Dreyfus Company, one of the largest commodity traders in the world, commissioned a 'Safety, Health, and Environment' management platform for use across all its global units — each with its own local regulations, forms, and reporting requirements. I owned it end to end: architecture, development, and integration with Azure Active Directory for authentication and user management. The core challenge was translating that sprawl of per-unit requirements into one flexible application instead of one branch per country, so I modeled forms, fields, and workflows as configurable data instead of hardcoded screens — letting a compliance team in a new unit stand up its own SHE process by configuring the platform, not by requesting a code change and a deploy.

Tech: TypeScript, React.js, Kotlin, Java, MySQL, REST, AWS, ECS, ECharts

Simpli · Jamef Customers Dashboard • Software Engineer • Jun 2019 - May 2022

Jamef, the largest shipping company in Brazil, needed a new dashboard for customers to track delivery data, but the existing one suffered from severe performance problems. My scope started as frontend-only, but tracing the slowness back to its source pulled me into the data layer. I introduced a caching layer and a server-side pagination policy for the result set, taking a query that

took 8 seconds down to a few milliseconds. I delivered a complex dashboard with several customized graphs and contributed to restructuring the underlying central system.

Tech: TypeScript, React.js, Java, Redis, REST, AWS, ECS, ECharts

Simpli · iTrack • Software Engineer | TechLead • Nov 2016 - 2024

I was the lead engineer who built iTrack Brasil from the ground up, owning its system design through its first two years and scaling it into a B2B delivery platform integrating multiple systems, with nearly 60,000 couriers and over 50 million invoices processed across 2,000 registered companies — growth that led to its acquisition by MadeiraMadeira in 2021. Simpli carried the product through that acquisition and ran it for three more years before handing it over to MadeiraMadeira in 2024, with me on it as CTO, coming back alongside the team hands-on when the work needed the depth. One of those returns: as invoice volume and courier position updates grew, the database hit a write bottleneck, surfaced by a spike at the end of a fiscal month. The system stayed up, but latency and AWS costs climbed, so I redesigned the write path at its source — courier position pings now land as Parquet files on S3, backed by a Redis cache holding each courier's last known position for fast reads, while invoice processing moved behind an SNS/SQS pipeline that absorbs bursts asynchronously.

Tech: TypeScript, React.js, Kotlin, Java, AWS, S3, SNS, SQS, Redis, MySQL, ECS, REST · <https://itrackbrasil.com.br>

Simpli · Apptite • Software Engineer | TechLead • Sep 2015 - July 2017

Apptite was a food delivery app for iOS, Android and the web. It gained recognition with acceleration by '500 Startups' and media coverage that established it as an important platform in the artisanal food market. I was the main engineer responsible for the platform from its initial planning and structuring through scaling it as it grew. One example of that scaling work: the dish recommendation engine. The map was discretized into cells, each holding the list of stores that served it, updated in batch whenever delivery areas changed — so the geographic lookup itself was just a cached read. Personalization ran on top of that already-filtered set, combining complementary signals in parallel (repurchase history, regional popularity, among others), with the heavier estimates — including a store-by-cell matrix — precomputed offline.

Tech: Android, Java, MySQL, Redis, S3, SNS, SQS, ECS, Elasticsearch, REST, AWS, JavaScript

SIMET - NIC.br • Software Engineer • 2010 - 2013

At NIC.br, I worked on SIMET, Brazil's official internet quality measurement tool used by regulators and ISPs alike. The flagship SIMET application still ran as a Java Applet at a time when browsers were starting to lock those out for security reasons, so I proposed and led its migration to plain JavaScript before that became an emergency. Beyond the core tool, I built SimetMapas, visualizing internet quality heat maps across Brazil, and dashboards consumed directly by internet operators and regulatory agencies. I also contributed to SimetBox, a Wi-Fi router built to run these tests automatically, and to an Android testing app with its own custom graphics library for rendering results on constrained hardware.

Tech: JQuery, Backbone, Java, Android, REST, JavaScript · <https://simet.nic.br>

FingerPrint, Escala, NetStartup • Software Engineer • 2007 - 2010

My first three engineering jobs — web applications in PHP and Java, JavaScript front-ends and MySQL.

A selection of projects — the complete history, including those under Notable Achievements, is at <https://gil.solutions>

Education

Pontifícia Universidade Católica de São Paulo (PUC-SP) • Bachelor, Computer Science • 2008 - 2011