VICTOR CORDEIRO

Software Engineer · Full Stack · TypeScript, Node.js, NestJS, React, Next.js, PostgreSQL

Remote · Recife, Brazil (UTC-3, overlaps US and European hours) · Contractor via Deel, Remote.com or direct
victorcordeiro.contact@gmail.com · linkedin.com/in/vitorcordeiru · github.com/vitucordeiro · English: B2 (professional working proficiency)

SUMMARY

Full Stack Software Engineer with 3+ years building and running production systems in TypeScript, from REST APIs and data layers (NestJS, Express, PostgreSQL, Redis) to React and Next.js front ends. Security- and reliability-minded: led OWASP Top 10 hardening across 3 production apps and a zero-downtime migration to multi-tenant RBAC that unlocked whitelabel sales. Ships end to end on my own: built a real-time AI social listening product in 20 days at ~US$0.25 per hour of stream, and run Alertribuna, a legal alert SaaS that parses 1.3 million court notices a day. Comfortable working async in distributed teams.

EXPERIENCE

Software Engineer | Vokaz | 09/2025 – Present

Platform & Security, B2B multi-tenant SaaS · Remote, Brazil · team of 6 engineers

- Led the OWASP Top 10 hardening of all 3 production applications, closing vulnerabilities in 5 OWASP categories and moving sessions from browser-stored JWTs to encrypted httpOnly cookies behind a Backend-for-Frontend (BFF).
- Replaced fixed Keycloak roles with granular multi-tenant RBAC (Role-Based Access Control) and migrated it in production with zero downtime, running both authorization engines in parallel behind a feature flag and comparing decisions before cutover.
- Unlocked whitelabel sales by letting each client company manage its own roles and permissions, removing the deploy-per-access-change bottleneck and turning access audits into a single reverse-lookup screen.
- Opened a B2C revenue line in a B2B-only product by building the billing module end to end: subscriptions, checkout, invoices, dunning, entitlements and idempotent payment-gateway webhooks.
- Delivered the LGPD (Brazilian GDPR) guardian-consent flow end to end, opening the under-18 user segment the product could not legally serve before.
- Own the NestJS API, the React admin panel and the Next.js public app: release integration, code review and zero-downtime data migrations with production backfills.

Stack: TypeScript, NestJS, TypeORM, PostgreSQL, Redis, Keycloak (OIDC), React, Next.js, RBAC, multi-tenancy, OWASP Top 10, LGPD/GDPR, MFA, AWS (ECR, EKS), Docker, GitHub Actions, Jest.

Software Engineer (Freelance) | Grupo Sehloiro | 04/2026 – 07/2026

Real-time AI social listening, sole engineer · Remote, Brazil · concurrent with Vokaz

- Built the entire product alone, from first commit to a deployed staging environment in 20 days: live chat ingestion (Twitch, Kick), sentiment analysis, auditable moderation, sponsor reports and the operator console.
- Cut AI inference cost to ~US$0.25 per hour of live stream analyzed with a heuristic-to-LLM cascade, adaptive aggregation windows and per-customer token budgets, which made the target price viable.
- Kept analysis running through LLM provider outages by degrading to a local classifier, so no monitored stream lost coverage.
- Made adding a new chat platform a one-adapter job with hexagonal architecture and a contract-tested provider port.
- Ended a recurring out-of-memory incident that was killing the production database, and added a searchable access log for faster incident response.

Stack: TypeScript, NestJS, MongoDB, ClickHouse, Redis, Next.js, LLM integration, Server-Sent Events, hexagonal architecture, DDD, Docker, GitHub Actions, OAuth 2.0, DigitalOcean.

Software Engineer | E3 Digital | 03/2025 – 08/2025

Backend & Process Automation · Recife, Brazil

- Cut manual operating time by up to 80% on public-sector data lookups with RPA (Robotic Process Automation) built on Puppeteer, OCR and digital certificates, processing thousands of records a day.
- Reduced average API response time by ~35% and held 99.8% availability by structuring a greenfield NestJS backend with modular boundaries and PostgreSQL via Prisma.
- Reduced pipeline failures under load spikes by ~40% by moving heavy work to asynchronous AWS pipelines (S3, Lambda, SQS) with retries, fallback and concurrency control.
- Shortened onboarding for new developers by documenting the API and business rules in Swagger/OpenAPI.

Stack: TypeScript, NestJS, Prisma, PostgreSQL, AWS (S3, Lambda, SQS), Puppeteer, OCR, RPA, JWT, Swagger/OpenAPI.

Software Engineer | Growly Group | 01/2025 – 03/2025

Data Collection & Automation · Remote, Brazil

- Cut total scraping runtime by over 60% with parallel workers collecting from up to 14 sources at once, with dynamic pagination, automatic fallback and retries on JavaScript-heavy, blocking-prone sites.
- Cut manual effort by up to 80% with an RPA that chained scraping, detection and form submission to report fake TikTok profiles automatically.

Stack: Node.js, TypeScript, Puppeteer, Cheerio, Axios, web scraping, RPA, parallel processing.

Software Engineer | Nearline | 06/2023 – 12/2024

Full Stack, APIs and web apps · Recife, Brazil

- Built and maintained REST APIs in Node.js, first with Express and later with NestJS, on PostgreSQL with Prisma and Redis caching.
- Built React and Next.js screens on top of those APIs, delivering features end to end, from the database to the UI.
- Integrated third-party APIs: OpenAI, Google Gemini, Google Cloud and GitHub (webhooks, OAuth apps).
- Secured endpoints with OAuth 2.0, JWT and rate limiting, and added structured logging and alerting to catch errors before users reported them.
- Wrote Jest unit and integration tests, took part in daily code review and helped define the team's repository and versioning standards.

Stack: JavaScript, TypeScript, Node.js, Express, NestJS, React, Next.js, PostgreSQL, Prisma, Redis, Jest, OAuth 2.0, JWT, OpenAI API, GitHub API.

PROJECTS

Alertribuna (alertribuna.tech) · Founder and sole engineer · 10/2026 – Present. SaaS that sends lawyers a daily alert of their court notices from Brazil's national judicial gazette (DJEN) on Telegram and WhatsApp, with the legal deadline estimated in business days. Streams the whole national gazette (1.3 million items) in 38 s and cut peak memory from 1.32 GB to 255 MB (~80%) with a streaming reader, so a 1-vCPU server handles ~1,000 subscribers (measured in a capacity study). Falls back to per-lawyer queries when a court file fails and never sends a false "nothing published". Pix subscriptions (Mercado Pago), admin back office, 3-layer backups with a monthly automated restore test. NestJS, Prisma, PostgreSQL, 28 test suites.

ctOS · personal control panel. One screen for every automation on my Mac (crons, launch agents, AI coding agents, dev environments) with run history, failure alerts, a visual flow editor with 38 node types and an MCP server; includes an English practice lab with voice conversation, mock interviews and spaced repetition. Next.js, React, Prisma, SQLite, Server-Sent Events.

Open source (github.com/vitucordeiro). Tolper, a GitHub App that answers issues and pull requests with OpenAI via webhooks; GenMusic, a Spotify playlist generator driven by an LLM (NestJS + Next.js); a URL shortener (Java/ Spring + TypeScript).

SKILLS

Languages: TypeScript, JavaScript, SQL, Python, Java (basic), Bash

Back end: Node.js, NestJS, Express, REST API design, Prisma, TypeORM, BullMQ, Jest, Vitest, Swagger/OpenAPI, Server-Sent Events, webhooks

Front end: React, Next.js (App Router, Server Components), React Native (Expo), Electron

Databases: PostgreSQL, MongoDB, ClickHouse, Redis, SQLite

Cloud and DevOps: AWS (S3, Lambda, SQS, ECR, EKS), Docker, Kubernetes, GitHub Actions (CI/CD), Nginx, Linux, DigitalOcean

Security: OWASP Top 10, RBAC, multi-tenancy, Keycloak, OAuth 2.0, OpenID Connect, JWT, BFF sessions, MFA, rate limiting, LGPD/GDPR

AI and architecture: LLM integration, RAG, embeddings, inference cost control, AI coding agents, MCP · hexagonal architecture, DDD, event-driven systems, zero-downtime migrations

EDUCATION

Harvard (online): CS50 Introduction to Computer Science; CS50 Cybersecurity (in progress) · Stanford (online): Cryptography I · Rocketseat: Node.js (NestJS, Clean Architecture, DDD), React and Next.js, DevOps (Docker, Kubernetes, CI/CD)

Languages: Portuguese (native) · English (B2, professional working proficiency) · Spanish (basic)