

ANDERSON CORREA

Software Engineer

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PROFESSIONAL SUMMARY

Software Engineer with 4+ years of experience designing and shipping production systems at scale across web performance monitoring, fintech, e-commerce, and SaaS. Currently at Snappi, where I architected a serverless ingestion pipeline processing high-volume event data and maintain the browser-side performance SDK. Previously led development of Birmingham Bank's first digital platform, driving over GBP 30M in new deposits within 6 months. Strong across the full stack: from browser instrumentation and streaming data architectures to serverless AWS infrastructure, Go CLI tooling, and complex frontend applications. Bilingual (English/Portuguese) with experience working across distributed, international teams.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Go, Python, SQL, HTML/CSS

Frontend: React, Next.js, Vite, Material UI, Tailwind CSS, Zustand, TanStack Query/Virtual, Zod

Backend & Data: Node.js, Go (Cobra), REST APIs, NDJSON Streaming, WebSockets, ClickHouse, PostgreSQL, Athena, Parquet

Cloud & Observability: AWS (Lambda, CDK, SAM, S3, SQS, DynamoDB, EventBridge, Cognito, API Gateway, CloudFront), Azure (MSAL, Static Web Apps), Vercel, Docker, Splunk, Grafana, CloudWatch, Sentry

Testing & DX: Vitest, Playwright, Cypress, Jest, esbuild, CI/CD (GitHub Actions), IaC

PROFESSIONAL EXPERIENCE

Snappi

Mar 2025 - Present

Senior Software Engineer | Remote (US)

- Architected a serverless RUM ingestion pipeline handling high-volume event data (designed for 100M+ events/month), reducing infrastructure overhead and enabling real-time performance insights for global users. Built from scratch using S3 + SQS + Lambda (AWS CDK) with multi-destination parallel writes to ClickHouse, Parquet, and ML datasets.
- Maintain the core JavaScript RUM SDK (12+ plugins) powering performance insights for enterprise customers, collecting Web Vitals, Long Animation Frames, and SPA navigation metrics with per-customer tree-shaking via esbuild.
- Built a Go CLI tool that consolidated 5+ operational workflows into one interface, improving engineering team velocity across debugging, pipeline tracing, and customer data queries. Introduced AI-assisted workflows adopted by the entire team.
- Delivered a composable consent framework supporting 4+ CMPs and an A/B testing infrastructure (CloudFront KV Store), enabling safe per-domain feature rollouts without client-side branching.

Birmingham Bank

Nov 2023 - Mar 2025

Senior Frontend Engineer (promoted) | United Kingdom (Remote)

- Led development of the bank's first customer-facing savings platform, driving over GBP 30M in new deposits within 6 months by delivering a high-performance, secure, and scalable architecture (Next.js 14, AES-256-GCM encryption, Application Insights telemetry).
- Promoted to lead the broker portal for the lending division -- the bank's primary revenue driver. Worked directly with the Chief Commercial Officer and Chief Product Officer, delivering Azure MSAL enterprise auth, a multi-step mortgage application system supporting 4 borrower types, and Zod validation schemas.
- Delivered a memory-safe streaming file upload proxy (Node.js) for 100MB+ documents to SharePoint via Microsoft Graph API in one week as a solo effort, load-tested to ensure zero memory leaks under sustained load.

Viasat

Apr 2023 - Mar 2025

Customer Facing Engineer (Part-time) | Carlsbad, CA (Remote)

- Provided advanced technical support for residential and enterprise clients, diagnosing complex network and satellite performance issues using Splunk, Grafana, and SQL-based observability tools.
- Developed features for the internal Discourse platform (JavaScript) and built Python data analysis pipelines (Jupyter Notebooks) for customer behavior insights.

Seaworthy Software

2022 - 2026

Independent Software Consultant | Belem, Brazil

- **Astro Advanced Analytics** -- Built a product analytics SPA from scratch (Vite + React 19 + MUI) with NDJSON streaming and virtual scrolling for 10K+ rows, replacing a legacy frontend. Shipped a Chrome extension (MV3) from concept to Chrome Web Store in one week.
- **Dream Car Brasil** -- Architected a full-stack raffle platform serving 20,000+ participants on under \$30/month AWS infrastructure (Next.js 15, DynamoDB single-table, 8 event-driven Lambdas). Engineered multi-provider PIX payments with automatic failover.
- **TelliCoJus Corporation** -- Delivered a multi-gateway payments platform with custom checkout flows, Google OAuth, and encrypted document management on AWS.

EDUCATION

Instituto Infnet

Oct 2025 - Sep 2026

Postgraduate Diploma in AI, Machine Learning & Deep Learning

Gran Faculdade

Nov 2023 - Nov 2027

Bachelor of Science in Computer Science

Trybe Software Engineer School

Mar 2021 - Mar 2022

Full Stack Web Development Program

LANGUAGES

English (Native/Bilingual) | Portuguese (Native)