

Victor B

Full Stack Engineer

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PROFILE

I'm a full stack engineer who's passionate about building things for the web. I like doing UX and UI design and making user-friendly interfaces that look good and are easy to use, and I also like to dive deep into backends, low-level systems, and infrastructure. I've been programming since 2021 and contribute to open source, and I've worked across domains — from early freelance and personal full-stack apps (e-commerce, real-time video chat, a coding platform), to an in-browser large-3D-model viewer at DeepInspect (D3D.ai), to a wide range of systems at MyTribe (realtime AI/voice, background pipelines, semantic search, and the infra to run it all). I'm looking for a full-time role, remote or onsite, with a small team where I can ship frontend features fast and make the backend and infrastructure more robust.

EXPERIENCE

Founding Engineer | MyTribe — Bangalore

Jul 2025 – Present

Indian services marketplace connecting consumers with expert providers (photographers, wedding planners, caterers, etc.)

- Built and shipped a fleet of production LLM agents on **agento** (the team's open-source agent platform): a WhatsApp **user-agent bot** that converses with and qualifies consumers, an event-driven **deal orchestrator** that drives leads through the sales pipeline, and a **profile-editing agent** that maintains provider profiles through an MCP file-tool interface.
- Built a realtime AI phone agent for the sales team: an Exotel ↔ speech-to-speech bridge (OpenAI Realtime / Gemini Live) over WebSockets handling inbound and outbound calls, with post-call transcription and summaries fed back into the CRM and downstream agents.
- Shipped an LLM-driven SEO content system — programmatic listing and collection pages rendered from AI-generated page specs — plus semantic vector search over provider services (voyage-4-large embeddings, pgvector + PostGIS geo-filtering) and schema.org structured data and sitemaps that expanded organic search surface.
- Owned the provider onboarding pipeline — a multi-stage Trigger.dev workflow that turns a raw Instagram profile into a full, published profile page: scrape posts/reels → extract business identity → transcribe & process videos and catalogues → AI-generate services, descriptions, packages, pricing, locations and SEO → auto-build the image gallery clustered by service, embed all assets into Qdrant for search, and generate the public profile. Also added manual / non-Instagram onboarding paths.
- Cut infrastructure cost ~70% by consolidating the OSS stack onto a single self-managed VPS via **Coolify** — migrated Trigger.dev to a self-hosted instance and stood up **Qdrant** (vector search) and **gowa** (WhatsApp gateway) among others — replacing managed services that would run \$100+/mo at our tier and scale with usage.
- Built the internal "godmode" admin/CRM (WhatsApp inbox, lead human-review, click-to-call, installable PWA) on React Router 7 SSR + HeroUI v3, backed by Supabase/Postgres — schema, migrations, RLS, matchmaking/search RPCs, and index tuning on high-traffic chat and lead tables.

Full Stack Engineer | Protocorp Pvt. Ltd. — Remote

May 2024 – Jun 2025

- Built **DeepInspect**, a web platform where users upload, view, convert, and generate AI reports on large 3D models, with account management and multiple user roles.
- Added an annotation layer to draw over 3D models — labels, lines, polygons — and share them with others via password-protected links.
- Integrated and modified the OSS projects **Potree** and **Cesium** for rendering the large 3D models in the browser.
- Built the model-conversion pipeline: **AWS SQS** queues each job, a **Python** worker reads the queue, converts the model into an octree structure, and uploads it to **S3**.
- Built a dedicated streaming server that serves models as small chunked files, so only the visible parts of a model are loaded on demand.
- Stack: AWS Lambda, SQS, S3, EC2, GitHub Actions, Python, Docker, TanStack Table, and more.

Frontend Developer (Freelance) | Cubixso

Feb 2025 – Mar 2025

- Developed a responsive website for Cubixso using Next.js and Tailwind CSS.

Frontend Dev & UI Designer (Freelance) | Zento

Jul 2023 – Sep 2023

- Designed in Figma and built the Zento site in React with Tailwind and Framer Motion.

- Automated GPRS testing in Python, built data-extraction scripts (MySQL, BeautifulSoup), and improved test accuracy.

OPEN-SOURCE CONTRIBUTIONS & PROJECTS

agento — Open-source platform to build, run, test & monitor multi-provider LLM agents, with a no-code UI so non-technical teams can ship agents. React + TanStack Router + HeroUI frontend, Fastify/Node runner, Postgres/Drizzle, self-hostable via Docker. (Contributor — powers MyTribe's agent fleet.)

Orate — Open-source push-to-talk dictation app (WhisperFlow-style) powered by Google Gemini. Maintain the **Windows** and **Linux** ports — Windows built in C# / WPF on .NET 8 with NAudio and Win32 P/Invoke for the global hotkey, synthetic paste, and tray.

Kubetail — Improved the dashboard UI and set up CI/CD workflows to automate binary builds and releases.

Plone Volto — Fixed bugs in a large React CMS, gaining experience with complex codebases.

Webstudio — Fixed a range of issues while learning Remix and tRPC.

EcoHabit — Contributed small fixes and collaborated via Discord; learned React, Node.js, and MongoDB.

CodeArena — LeetCode-style coding platform with a Docker-based code engine — Next.js, Redis, RabbitMQ, Python.

QuickMeet — Real-time video chat app built with WebRTC, Postgres, React, and Express.js.

Menstribе — MERN e-commerce app (designed in Figma) hosted on Azure & Vercel with a Cloudinary CDN.

EDUCATION

B.E. in Artificial Intelligence & Machine Learning

Dec 2021 – Jun 2025

Visvesvaraya Technological University, Bangalore, India · CGPA: 7.8

SKILLS

Frontend: React, React Router 7 / Remix, Next.js, TypeScript, Redux, Zustand, Tailwind, HeroUI, Figma.

Backend: Node.js, Express, Python, Golang, PostgreSQL / PostGIS, pgvector, Qdrant, Supabase, RabbitMQ, Redis.

AI & Realtime: LLM agents (agento, Vercel AI SDK), MCP tooling, OpenAI & Gemini, realtime voice (OpenAI Realtime / Gemini Live), Exotel telephony, WebSockets, semantic vector search & embeddings.

DevOps: Docker, Kubernetes, NGINX, CI/CD, Trigger.dev, GCP Cloud Run, AWS, Azure, Coolify, Linux.