

Gabriel Chaves

AI Engineer

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SUMMARY

Software Engineer with 3+ years shipping production web applications, now focused on AI engineering. I build LLM-powered product features end to end — a Gmail-integrated email assistant with automated categorization and real-time streamed responses, and a voice-driven task orchestrator running as a container on Google Cloud Run. Comfortable across the stack: TypeScript and React on the front, Python and Node.js on the back, Google Cloud Platform for deployment. Fluent English, with three years working alongside international teams, both hybrid and fully remote.

EXPERIENCE

Software Engineer (Freelance) — Independent

Jul 2026 – Present · Remote

- Rebuilding the public web platform for **Yank EPC**, an engineering, procurement and construction company, in **Next.js** — with search visibility, mobile compatibility and overall user experience as the defining requirements.
- Using **server-side rendering** and a structured page architecture so service and project content is indexable, with semantic markup and per-route metadata.
- Rebuilt the interface mobile-first against **Core Web Vitals**: layout stability, responsive imagery, and interaction readiness across device sizes.
- Running requirement sessions directly with the client to define product and service content, rather than building to a handed-down spec.

AI / Software Engineer (Freelance) — Meet Oscar

Feb 2025 – Nov 2025 · Remote · app.meetoscar.com

- Built an AI email assistant integrating the **Gmail API** with **Gemini** and **OpenAI** models, delivering automated message categorization and real-time **streamed responses** inside a custom React interface.
- Led the complete rewrite of the company's legacy HTML/JS platform to **React** and **Tailwind CSS**, improving Core Web Vitals and developer experience.
- Established the frontend engineering baseline for a startup with no prior frontend specialist: component standards, directory structure, and an accessible Figma-to-React component library.

Junior Software Engineer — Trular

Sep 2022 – Dec 2024 · São Paulo, SP · Hybrid

- Led the migration of the primary real-estate engine from **Next.js** to **SvelteKit**, optimizing server-side rendering and improving organic search visibility.
- Built **Python** crawlers (**Scrapy**, BeautifulSoup) on cloud instances aggregating real-time listing data from multiple sources, feeding the core product database with high availability and consistency.
- Shipped cross-platform mobile features with **React Native** and Expo, including native Android biometrics and camera integrations.
- Introduced the testing culture: unit tests with Vitest, component documentation in Storybook, end-to-end coverage with **Playwright**.
- Collaborated daily in English and Spanish with international stakeholders on architecture reviews and technical planning.

PROJECTS

AutoApply — open source

github.com/gabrielchv/AutoApply

- Browser extension (**Chrome MV3** and **Firefox**) that maps arbitrary job application forms to a structured candidate profile through an **LLM**, with **no per-site adapters**: the form is scraped for labels, options and required flags, and the model resolves the mapping.
- Designed against **model fabrication**: the LLM returns a fill plan that is **schema-validated with one corrective retry** before any field is written, and no code path submits the form.

- **Local-first, no backend** — API key and profile stay in extension storage, CVs parsed in-browser with pdf.js, any **OpenAI-compatible** endpoint including a local **Ollama**; **GitHub Actions** CI runs lint, type checks, **Vitest** and both browser builds.

Task Helper AI

task-organizer.gazerah.com · github.com/gabrielchv/task-organizer

- Natural-language task orchestrator on **Gemini 2.5 Flash**, where **prompt design** turns spoken intent into scheduled, managed tasks.
- Offline **wake-word detection** with a **Vosk** model; transcription handled by passing the captured audio straight to Gemini's **multimodal input** rather than running a separate speech-to-text service.
- Containerized with **Docker** and deployed on **Google Cloud Run** with automated CI/CD.

Mangrove Recognition Platform — *Academic*

- Fullstack ecological awareness tool with an integrated **computer-vision** model.
- Owned the entire stack: SvelteKit interface through to GCP deployment.

SKILLS

LLM Engineering: prompt design, structured output and intent parsing, LLM-based classification, real-time streaming responses, multimodal audio input, voice interfaces

Models & APIs: Gemini API, OpenAI API, TensorFlow

ML foundations (*Google Cloud coursework*): MLOps and agent platforms, RAG, BigQuery ML, feature engineering, model evaluation, responsible AI (fairness, interpretability, privacy)

Languages: Python, TypeScript, JavaScript, SQL

Web: React, Next.js, SvelteKit, Tailwind CSS, Node.js, FastAPI, Flask

Mobile: React Native, Expo

Cloud & DevOps: Google Cloud Platform (Cloud Run, Cloud Build, Artifact Registry), Firebase, Docker, GitHub Actions, CI/CD

Data: BigQuery, PostgreSQL, Scrapy, BeautifulSoup

Testing: Vitest, Playwright, Storybook

Practices: Domain-Driven Design, SOLID, Clean Architecture

EDUCATION

Technologist (CST) in Systems Analysis and Development

Instituto Federal de São Paulo (IFSP) · Cubatão, SP · Expected December 2026

Google Cloud Skills Boost — 19 course completions

2025 – 2026

Professional Machine Learning Engineer learning path — completed August 2026 (17 courses and labs).

Responsible AI for Developers: Fairness & Bias · Interpretability & Transparency · Privacy & Safety · Machine Learning Operations (MLOps) for Generative AI · Create Generative AI Apps on Google Cloud

Foundations covered: MLOps and agent platforms, retrieval-augmented generation (RAG), ML pipelines, feature engineering, BigQuery ML, model evaluation, responsible-AI practice. All completions: cloudskillsboost.google/public_profiles/<id>

LANGUAGES

Portuguese — Native · English — Fluent