

Felmon Fekadu

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SUMMARY

Full-stack product engineer shipping TypeScript and Python software used by real users. Maintainer of MSW Inspector, builder of a revenue-generating AI product, and author of 14 merged upstream pull requests across seven repositories in five open-source organizations. Strong across React, Node.js, Python, Postgres, testing, CI, and agent reliability tooling.

TECHNICAL SKILLS

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

Product & Frontend: React, Next.js, Vite, Tailwind CSS, authentication, Stripe billing, product UX

Backend & AI: Node.js, Express, FastAPI, REST APIs, RAG, embeddings, vector search, evaluation workflows

Data & Platform: PostgreSQL, Supabase, SQLite, Docker, Vercel, GitHub Actions, CI/CD

EXPERIENCE

Open-Source Contributor

Astro, OpenAI, MSW, Google, and comma.ai

Remote

2026 – Present

- Merged 14 upstream pull requests across seven repositories: Astro (5), OpenAI (4), MSW (2), Google (2), and comma.ai (1).
- Fixed OpenAI Agents SDK SQLAlchemy first-write races and MCP tool metadata isolation; added OpenAI Node Realtime sideband connection support; improved Astro language-server, accessibility-audit, sync-diagnostic, and TypeScript behavior.
- Resolved MSW infinite-delay open handles and handler typing; supported native add-ons in Google ADK JS; documented Google Benchmark CLI behavior; improved comma.ai property-based test performance.

PROJECTS

Agent Reliability Harness | *Python, agent evaluation, GitHub Actions*

[GitHub](#)

- Built a policy-driven evaluator for agent traces that validates tool-call schemas, latency and cost budgets, unsafe patterns, and citation coverage; emits console, JSON, and Markdown reports.
- Added 35 unit and CLI tests plus CI coverage on Python 3.11 and 3.12.

MSW Inspector | *TypeScript, ts-morph, GitHub Actions, static analysis*

[GitHub](#)

- Built an AST-driven CLI and GitHub Action that compares MSW handlers with real API usage to identify unmocked endpoints and stale mocks before CI failures.
- Own releases, tests, documentation, issue scope, and contributor review for a public project with outside contributors and a GitHub Marketplace action.

TypeJung | *React, TypeScript, Express, Supabase, Stripe, Gemini*

[Live product](#)

- Shipped assessment logic, authentication, persisted results, payments, and AI-assisted reports as an end-to-end product used by real customers.
- Reached 22 registered users and 7 paying users as of July 13, 2026; recorded CA\$74 in revenue in the June 29 product snapshot.

EDUCATION

University of the People

Bachelor of Science in Computer Science

Remote

Expected October 2026

University of the People

Associate of Science in Computer Science

Remote

Conferred April 2026

InceptionU

Full-Stack Web Development Bootcamp

Calgary, Alberta

2023