FELMON FEKADU

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SOFTWARE ENGINEER | DATA / QUANT TECH

SUMMARY

Computer Science student (B.S., expected 2026) with strong software engineering foundations in Python, SQL, and full-stack systems. Experienced in building data-centric applications, automation workflows, and reliability-focused tooling. Public engineering proof includes shipped products, real-time systems, and merged external OSS fixes across OpenAI, MSW, Astro, and commaai.

EDUCATION

University of the People - B.S. Computer Science (In Progress), Expected 2026
- Honors: UoPeople Honors List, Term 2 (2025-2026), CGPA 3.00-3.49

InceptionU - Full Stack Web Development Certificate (MERN), 2023

RELEVANT SKILLS

Programming/Data: Python, SQL, TypeScript, JavaScript
Engineering: API design, data workflows, real-time systems, testing/CI
Tools: PostgreSQL, Supabase, Docker, GitHub Actions, Git
Analytical Strengths: risk-aware operations mindset, monitoring, documentation discipline

EXPERIENCE

Open-Source PR Author | Remote | 2026-Present
- Merged six external PRs across OpenAI, MSW, Astro, and commaai spanning concurrency, runtime behavior, typing compatibility, language tooling, documentation, and test performance.
- Worked through public review cycles with evidence-based changes, regression tests, and clear technical tradeoffs.
- Submitted additional active fixes in repositories including OpenAI Node, Astro, Prettier, commaai, and Minecraft Web Client.

Safety Watch / Fire Watch, United Safety | Fort McMurray, AB | 2022-2024
- Monitored high-risk environments and executed emergency procedures under strict operational constraints.
- Maintained accurate compliance and incident logs; coordinated with operations teams in time-sensitive situations.

RELEVANT PROJECTS

TypeJung | React, TypeScript, Express, Supabase, Stripe | 2025-2026
- Built a production platform with structured scoring logic, user authentication, payment tiers, and analytics-oriented outputs.

Collab Editor | Next.js, TypeScript, Socket.io, PostgreSQL, Prisma | 2025
- Developed real-time data synchronization workflows with persistence and multi-user state consistency.

First Principles AI Research System (MVP) | Next.js, FastAPI, Docker | 2025
- Built services for claim/source retrieval and traceable output generation from structured inputs.

PUBLIC OSS WORK

- openai/openai-agents-python: https://github.com/openai/openai-agents-python/pull/2725 and https://github.com/openai/openai-agents-python/pull/2710
- mswjs/msw: https://github.com/mswjs/msw/pull/2676 and https://github.com/mswjs/msw/pull/2669
- withastro/astro: https://github.com/withastro/astro/pull/15927
- commaai/opendbc: https://github.com/commaai/opendbc/pull/3052