

Samuel Adeoye

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Software builder with 4+ years shipping web, mobile, and desktop applications. I build secure backends in Python and TypeScript, and production UIs in React and Flutter. I ship products with happy and paying customers.

EXPERIENCE

Software Engineer (Team lead) · Enaimco December 2025 – Present

- Lead a team of 3 developers building infrastructure that processes 2TB+ of video, photo, and document assets monthly
- Mentor junior developers through regular 1:1s and author their performance reviews
- Design and optimize ingestion pipelines with 99%+ extraction accuracy across all video formats and 7+ photo file types
- Integrate third-party DVR services for real-time video ingestion during offshore inspection operations

Software Engineer · Enaimco January 2024 – December 2025

- Developed AI solutions that extract metadata and properties of subsea assets from unstructured engineering documents using Python and LangChain
- Implemented a video processing pipeline on Azure Functions with queue triggers and Azure Blob Storage, supporting 500+ videos averaging 2.3GB each
- Used Tesseract OCR to extract text from video frames, processing each frame asynchronously through queue triggers for reliability
- Enabled GIS location extraction and transcript generation from subsea ROV inspection videos
- Integrated full-text search using MongoDB Full-Text Search and Lucene indexes, improving information retrieval across the application

Software Engineer Intern · Enaimco May 2023 – December 2023

- Led the development of report generation with large language models in the application
- Improved server safety by adding request body validation to the company API
- Owned and managed the development of vector semantic search in the application
- Reviewed code, gave and received feedback, and suggested improvements to teammates
- Worked in an agile team with product managers and QA engineers

Software Engineer · Data and Image Analysis Group (DIAG) May 2022 – May 2023

- Led the development of a Next.js visualization tool that lets AI researchers explore medical image metadata
- Built a Python data synchronization tool to sync data between virtual machines
- Configured NGINX to deploy in-house websites for performance and reliability
- Reviewed code on GitLab and gave feedback to improve code quality and team collaboration

PROJECTS

Notable December 2024

- Co-founded and built a recording tool with 10+ paying monthly customers
- Cross-platform Electron desktop app with React for the renderer layer (macOS and Windows)
- Cross-platform mobile app with Flutter (iOS and Android)
- Built a meeting-detection engine from mic-activation events and focused-window PID analysis to identify meeting platforms and prompt automated note-taking

TypeScript Dart PostgreSQL Vercel AI SDK

Rechef

February 2026

- Recipe extraction engine that parses ingredients and step-by-step instructions from URLs, videos, and photos using AI
- Cross-platform on iOS and Android

TypeScript Dart PostgreSQL

Ragask

October 2023

- AI copilot that helps researchers with literature reviews and data analysis
- Summarizes academic papers with LangChain and the OpenAI GPT-4 API
- Retrieves information from papers through RAG, with a MongoDB vector database as the memory store
- Exposes the application logic as a REST API built with FastAPI and Beanie ODM

Python LangChain FastAPI Next.js MongoDB

SKILLS

LANGUAGES	TypeScript	Python	Dart				
AI HARNESSSES	Claude Code	Codex CLI	Zed parallel agents				
BACKEND	Express	Hono	FastAPI	NestJS	Django	Spring	Rocket
FRONTEND	React	Next.js	Flutter	HTML	CSS		
UI	Cloudscape	shadcn/ui					
CLOUD	Microsoft Azure	AWS	Supabase	Appwrite	Vercel		
DATA	PostgreSQL	MongoDB	Supabase	Azure Blob Storage			
OTHER	Git	Nginx	Bash	Azure Functions	Tesseract	Vim motions	

EDUCATION

Memorial University of Newfoundland

September 2020 – December 2024

B.Sc. (Honors) in Computer Science
St. John's NL, Canada

- GPA: 3.88/4.0
 - Faculty of Science Dean's List (2022, 2023, 2024), MUNCSS member
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