

Samuel Adeoye

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Education

Memorial University of Newfoundland

Bachelor of Science (Honors) in Computer Science

GPA: **3.88/4.0**

Faculty of Science Dean's List (2022, 2023, 2024), MUNCSS member

St. John's NL, Canada

September 2020 – December 2024

Highlights

- **Proficient Full Stack Software Engineer:** Over 3 years of experience shipping and building clean intuitive user interfaces and deploying web and mobile applications with a strong focus on scalability, security, and cloud integration.
- **Strong Backend Development:** Developing secure and performant backend systems using Python TypeScript
- **Strong Frontend Development:** Developing production-ready web, mobile, and desktop UIs using React, Flutter

Technical Skills

Programming Languages

Typescript, Python, Dart

AI Harnesses

Claude Code, Codex CLI, Zed parallel agents

Backend Frameworks

Express, Hono, FastAPI, Spring, Rocket, NestJs, Django, NestJS

Frontend Frameworks

HTML, CSS, React, Flutter, Next Js

UI Design

Cloudscape, Shadcn UI

Cloud Technologies

Microsoft Azure, AWS, Supabase, Appwrite, Vercel

Server

Nginx

Databases & Data storage

PostgreSQL, MongoDB, Supabase, Azure Blob Storage

Relevant Skills

Vim motions, Git, Shell scripting, Bash, Azure functions, Tesseract

Work Experience

Software Engineer (Team lead) - Enaimco

December 2025 – Present

- Leading a team of 3 engineers building infrastructure to process 2TB+ of video, photo, and document assets monthly
- Mentor junior engineers 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 to enable real-time video ingestion and processing during offshore inspection operations

Software Engineer - Enaimco

Jan 2024 – December 2025

- Developed AI solutions to extract metadata and properties of subsea assets from unstructured engineering documents using Python and LangChain
- Implemented a video processing pipeline using Azure Functions with queue triggers (comparable to AWS Lambda with Amazon SQS triggers) and Azure Blob Storage (similar to Amazon S3), supporting the upload and handling of 500+ videos averaging 2.3GB each.
- Utilized Tesseract OCR for handling text extraction from video frames.
- Employed queue triggers to process each video frame asynchronously, to ensure reliability for video processing
- Enabled GIS location extraction and transcript generation from subsea engineering ROV videos

- Integrated full-text search functionality using MongoDB Full-Text Search and Lucene search indexes, significantly enhancing information retrieval capabilities within the application.

Software Engineer Intern - Enaimco

May 2023 – Dec 2023

- Led the development of report generation using Large Language Models (LLMs) on the application
- Enhance server safety by implementing validation measures for request bodies to the company's API
- Took ownership over and managed the development of vector semantic search in the application
- Participated in code reviews, provided and received feedback, and suggested improvements to my team member's code changes.
- Worked in an agile team and collaborated with multiple stakeholders, including product managers and QA Engineers.

Software Engineer - Data and Image Analysis Group (DIAG)

May 2022 – Present

- Led the development of a visualization tool for AI researchers to explore medical image metadata using Next.js, improving research workflow efficiency.
- Developed a Python-based data synchronization tool to seamlessly sync data between virtual machines.
- Configured and implemented NGINX for deploying in-house developed websites, ensuring optimal performance and reliability.
- Actively participated in code reviews on GitLab, providing valuable feedback and suggestions to enhance code quality and team collaboration.

Projects

Rechef (<https://apps.apple.com/us/app/rechef-recipe-manager/id6758213347>)

February 2026

Tech Stack: Typescript, Dart, PostgreSQL

- Recipe extraction engine that parses ingredients and step-by-step instructions from URLs, videos, and photos using AI
- Cross Platform (IOS and Android)

Notable AI (<https://www.notableai.ca>)

December 2024

Tech Stack: Typescript, Dart, PostgreSQL, Vercel AI SDK

- Co-founded and built an AI meeting-assistant platform with 1200+ users, 3 paying customers, 1500+ recordings, and 300+ AI-generated chats.
- Cross-platform Electron desktop app using React for the renderer layer (MacOS and Windows)
- Cross-platform mobile app using Flutter (IOS and Android)
- Built a unique meeting-detection engine using mic-activation events + focused-window PID analysis to reliably identify user meeting platforms and prompt automated note-taking

Ragask (AI copilot for researchers)

October 2023

Tech Stack: Python, LangChain, FastAPI, OpenAI GPT-4 API, NextJS, React, Typescript, MongoDB vector database, Beanie

- Currently building an AI assistant for researchers that leverages natural language processing to aid in literature reviews and data analysis.
- Implements advanced LLMs using LangChain and OpenAI's GPT-4 API to provide insights and summarize academic papers, aiming to streamline the research process.
- Implemented a RAG based approach to information retrieval from academic papers using MongoDB vector database as memory store
- Implemented the application logic using RESTful API using FastAPI
- Used Beanie ODM as the Object Document Mapper for interacting with MongoDB in a Object-Oriented programming style.
- Developing an interactive web interface with NextJS for user-friendly interactions.