

Abdullah Elsayed

abdullah.fathy@outlook.com
Personal Website | GitHub | LinkedIn

WORK EXPERIENCE

Founding Engineer

Jan 2024 - Apr 2026

Aim AI

United States (Remote)

- Helped scale Aim's voice-agent platform from pre-revenue to about \$8M ARR and 1M daily calls by building the dashboard and production voice-agent runtime.
- Designed and implemented the Python/FastAPI runtime for live SIP/WebSocket calls, coordinating streaming STT, LLM, and TTS services while handling interruptions and call transfers.
- Led development of Aim's Next.js dashboard, where customers configured agents, launched campaigns, reviewed calls, and monitored performance.
- Developed an automated evaluation system using configurable judges, annotated datasets, and sampled production calls to monitor campaign quality at scale.
- Built a no-code action builder that lets customers connect agents to external APIs during and after calls.
- Implemented Aim's public API, enabling customers to manage agents and campaigns, place calls, retrieve results, and integrate the platform into external workflows.
- Built and maintained CI/CD pipelines and GCP infrastructure for containerized services, including Cloud Run deployments and a self-hosted speech-to-text service.

Full-Stack Engineer

Jul 2022 - Sep 2022

Fusion XYZ

Melbourne, Australia (Remote)

- Built HiddenGem's Next.js NFT analytics dashboard for real-time floor prices, trading volume, trending collections, and wallet insights.
- Contributed to HiddenGem's Ethereum event-ingestion pipeline for NFT sales, transfers, and marketplace activity.
- Defined coding standards and wrote project documentation for a remote early-stage team.

TECHNICAL PROJECTS

Awskit abdufelsayed/awskit

Apr 2026 - Present

Runtime-agnostic AWS SDK for OCaml with SigV4 signing, typed S3 APIs, streaming transfers, Eio/Lwt/Unix adapters, and a deterministic in-memory S3 simulator.

Weldr weldr-ai/weldr-old

May 2024 - Jan 2026

AI coding workspace where agents use TypeScript analysis and semantic search to navigate full-stack projects, while users inspect architecture and branch or restore project snapshots. Part of UoB Elevate, the University of Birmingham's startup incubator.

Thoth: Multitier Web DSL & Compiler abdufelsayed/thoth

Sep 2022 - Mar 2023

First-Class MEng dissertation on a multitier web DSL and OCaml compiler that generates readable React, Node, and Prisma projects that developers can edit independently of the DSL.

EDUCATION

University of Birmingham

Birmingham, UK

MEng in Computer Science and Software Engineering

Sep 2019 - Jun 2023

Classification: First-Class Honors

SKILLS

Languages: Python, TypeScript, JavaScript, OCaml, Haskell, C, Java

Web: React, Next.js, Node.js, FastAPI, PostgreSQL, SQL, REST APIs, WebSockets

Infrastructure: GCP, AWS, Docker, Linux, CI/CD

Spoken: Arabic (Native), English (Fluent)