

Abdullah Elsayed

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Personal Website | GitHub | LinkedIn

Software engineer with experience building full-stack applications, AI agent systems, and developer tools.

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 through work on the dashboard and voice agent runtime.
- Built the Python/FastAPI voice agent runtime for live SIP/WebSocket calls, coordinating STT, LLM, TTS, transfers, and interruption handling.
- Developed dashboard-configured customer actions so agents can call external APIs during or after calls without customer-specific code.
- Developed dashboard and public API features for agent configuration, outbound campaigns, call review, analytics, and agents evaluation system.
- Automated production deployments on GCP with Docker, Cloud Run, and Cloud Build.

Full-Stack Engineer

Jul 2022 - Sep 2022

Fusion XYZ

Melbourne, Australia (Remote)

- Built HiddenGem, a Next.js NFT analytics dashboard for real-time floor prices, trading volume, trending collections, and wallet insights.
- Implemented Ethereum event ingestion for NFT sales, transfers, and marketplace events, turning on-chain data into product analytics.
- Introduced coding standards and project documentation for a remote early-stage team.

TECHNICAL PROJECTS

Awskit abdufelsayed/awskit

Apr 2026 - Present

OCaml AWS libraries for credentials, endpoints, SigV4 signing, retries, S3 uploads, presigned URLs, and test simulation.

Weldr weldr-ai/weldr-old

May 2024 - Jan 2026

Agentic coding tool for full-stack apps that makes generated code inspectable through code search, visual architecture mapping, and recoverable project versions. Part of UoB Elevate, the University of Birmingham startup incubator.

Thoth: Multitier Web DSL & Compiler abdufelsayed/thoth

Sep 2022 - Mar 2023

First-Class MEng dissertation: standalone multitier web DSL with an OCaml compiler that generates human-readable React/Vite, Node/Express, and Prisma code from one source language.

EDUCATION

University of Birmingham

Birmingham, UK

MEng in Computer Science and Software Engineering

Sep 2019 - Jun 2023

Classification: First-Class Honors

SKILLS

Backend: Python, FastAPI, REST/WebSocket APIs, agent tooling, Node.js, PostgreSQL, SQL, OCaml

Frontend: TypeScript, JavaScript, React, Next.js, HTML, CSS, Astro, TailwindCSS

Cloud/DevOps: AWS/S3, GCP, Cloud Run, Cloud Storage, GitHub Actions, Docker, Linux, CI/CD

Languages: Arabic (Native), English (Fluent)