aoife cassidy

Software developer and sysadmin

🌐 cassidy.sh — ✉ aoife@cassidy.sh — 🔗 aoife cassidy
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Skills

- Go (at all levels of the stack, from DNS to client-side programs)
- Rust (specializing in creating fast terminal-facing applications)
- Python (experience in most of what the language has to offer, incl. popular libraries)
- Linux system administration (in distros such as Alpine, NixOS, Debian, Arch, etc.)
- JavaScript (incl. React.js, Vue.js, Node.js, TypeScript)
- Git (both GitHub and many other software forges, incl. using `git send-email`)
- HTML/CSS (adept at creating lightweight, fast and responsive static webpages)

Experience

Core Contributor for FOSS federated social media frontend

2022 — 2023

- Implemented API endpoints previously unused in the backend
- Added a moderation and administration panel for dealing with reports and new users
- Software is being used across 500 nodes serving over 16,000 users around the world

"*The entire admin panel was their work! Pretty impressive honestly*"
"*how is your sanity still in tact after handling that stuff?*"
FloatingGhost, maintainer of [Akkoma](#)

Systems Programmer at OMC

2023

- Was in charge of overhauling the entire load balancing infrastructure for the largest cloud service provider in Israel
- Rewrote one of the core tools to be at least 25 times faster than the previous implementation

System administrator for a cluster of servers

2021 — Ongoing

- Intensive experience with database, networking, and communication software
- Provided social networking services for over 250 users over the course of two years
- Also helping administer and troubleshoot numerous other servers

Software Engineer at LiveKit

2024 — Ongoing

- Developing LiveKit Agents, a realtime stack for building programmable multi-modal assistants using LLMs and WebRTC
- Maintaining the Node.js SDKs and the Rust client FFI for LiveKit

Education

B.Sc in Computer Science as part of Israeli *Odyssey* youth program

2019 — 2023

Attended Tel-Hai Academic College at ages 15-18, through the [Future Scientists Center's *Odyssey* program](#), taking courses and participating in lectures with adult students. Studied Python, Digital Systems, C, and Linux, as well as Calculus I and II, Physics, Chemistry, Philosophy of Science, and Cell Biology. Graduated from the program at the top of my class earning roughly 40 academic points.