



# aoife cassidy

software developer and sysadmin

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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–

- \* 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–

- \* 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
- \* authored 85% of the LiveKit Agents for Node.js framework

# *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.