

Alex Hawkins | Resume

Alex Hawkins

IT and infrastructure focused developer with hands-on experience in Linux systems, networking, and application deployment, along with a strong foundation in software development.

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Summary

I work primarily on Linux systems, networking, and self-hosted infrastructure, with a focus on understanding how systems run in practice. Alongside that, I build software projects and mobile apps, which helps me approach problems from both a development and operations perspective.

Certifications

- CompTIA Tech+
- CompTIA A+ (In Progress)

Technical skills

Systems and Infrastructure: Linux administration, server setup, networking fundamentals, OPNsense firewall, reverse proxy configuration (Caddy)

Web servers: Apache, Nginx

Programming: Python, JavaScript, TypeScript, C++, Java

Development: React Native, Expo, iOS Development, Testflight

Tools: Git, VSCode, Xcode

Operating systems: Linux, macOS, Windows

Projects and Experience

Audiovault Mobile

- Developed a mobile app for downloading and managing audio descriptions from audiovault.net.
- Built with React Native and Expo, and deployed through TestFlight for real world testing.
- Worked with API-based content retrieval and client-side data handling.

Self hosted Infrastructure Environment

- Built and maintained a personal lab environment to gain hands-on experience with networking and system administration.
- Configured OPNsense firewall and managed a Debian-based server.
- Deployed and maintained web services using Apache and Nginx.
- Set up reverse proxy routing and service access using Caddy.

Education

University of West Florida

Coursework in Computer Science: Data Structures & Algorithms, Networking, Cybersecurity, Database Systems, Software Development