

Alex K Leventis

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alexcod.es/github | alexcod.es/linkedin | alexcod.es/portfolio

Profile

Passionate about the software field, I am actively seeking opportunities that challenge my development skills, allowing me to grow as an engineer. I hold a strong appreciation for companies that foster a positive and collaborative culture, as I firmly believe it enhances both personal and team growth.

Skills

Languages & Tools: Golang | Python | TypeScript | React | Next.js | SQL | Bash | Git
General: Analytical | Team player | Research-oriented | Great Communicator
Technical: Git workflows | Agile development | RESTful architecture | Jira | Google Cloud Platform

Experience

Bitly (Denver, CO) November 2022 - Present
Intern - Senior Backend Engineer

- Architect and implement RESTful services in Go within a microservices ecosystem.
- Assist in migrating services from Python to Go, enhancing performance and tech stack maintainability.
- Led team in upgrading Bitly's anonymous shortener system, significantly improving site security.
- Integrated Optimizely's Feature Experimentation service, enabling streamlined A/B testing across applications.
- Integrated Gemini AI for domain generation, driving major product upgrades.
- Developed admin tooling to automate metric population in dev environments, boosting developer and QA efficiency.
- Active member of a rotating on-call shift for DDoS attack and server mitigation.

United States Air Force March 2016 - March 2020
Aircraft Armament Systems

- Managed and serviced weapon systems and munitions equipment for the F-15 fighter jet.

Education

Wake Technical Community College (Raleigh, NC) August 2020 - December 2022
Computer Programming and Development AAS GPA: 4.0

- Proficiently acquired knowledge in Java, HTML/CSS, SQL, RESTful services, and unit testing.
- Developed hands-on versatility in all-around software development.

Projects

Local Area Network Mac Remote | Github: https://alexcod.es/lan_remote | Release: https://alexcod.es/lan_release

- Remote control for Mac over a local network, enabling media key presses and OS event triggering via HTTP over TCP/IP.
- Built with a Go server, Next.js static frontend, and an Electron-based desktop application.
- Includes scripts for client/server development and build automation.

Personal Journal App | Github: <https://alexcod.es/toop-journal> | Site: <https://mynaot.com>

- Building a desktop journaling app to replace a buggy, unscalable solution that couldn't handle years of daily entries
- Electron app with React and TypeScript, featuring local-first IndexedDB storage and optional AWS S3 cloud sync for cross-device access.
- Bidirectional sync between local IndexedDB storage and AWS S3, automatically keeping local and cloud data in sync using timestamp-based merging.
- Rich text editing using [react-simple-wysiwyg](#), calendar/list views, password protection, and secure IPC communication between Electron main and renderer processes.