TAI GROOT

blog.taigrr.com

github.com/taigrr

B.S. in Computer Science and Engineering
Santa Clara University
Class of 2020

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PGP: 0X5C78C66869422D4E

Software Engineer | DevOps Architect | Open Source Maintainer | Serial Hat-Wearer

SUMMARY

- Experienced systems engineer with a strong background in **Golang**, **Linux**, and **cloud infra**
- Creator of **grlx**, a memory-efficient, open-source configuration manager used by Google and others
- Proven track record designing secure, scalable systems for **IoT** and **edge** computing
- Contributor to the **Go** ecosystem, **Neovim** plugins, ML tooling, and **IaC** frameworks
- Focused on **performance**, **reliability**, and **developer experience**

EXPERIENCE

Founder/CTO — ADAtomic, Inc. **2023 – Present · Remote**
- Designed **grlx** as internal infrastructure automation tool
- Led architecture + implementation of distributed backend services using **Go**, **NATS**, and **Kubernetes**

Founder/CEO — Taigrr, LLC **2024 – Present · On-Site**
- Developed **DJAFS**, a FUSE-based write-once, sequential-heavy-read filesystem for data archival
- Hired and managed a team of contractors, each with their own clients, projects, and ecosystems

Lead Software Engineer — Cellpoint Systems **2019 – Present · Hybrid**
- Designed and deployed **IoT** fleet management platform (**Golang**, **GCP**, **Docker**, **K3s**)
- Maintained internal **Android** apps (**Kotlin**) used in harsh, retail environments
- Developed a full-stack **React + Golang AI RAG platform** for evaluating microcontroller specifications

IoT Engineer — McKinley Equipment **2016 – 2018 · Hybrid**
- Acted in role of Distributed Systems Administrator + IoT Developer
- Built and maintained custom **YoctoLinux** Distro

Software Consultant — Gosu Solutions **2014 – 2016 · Remote**
- Built and maintained industrial monitoring systems in **Python**, **C**, and **Java**

OSS CONTRIBUTIONS

- **grlx** — grlx.dev — Low overhead, static binary for DevOps deployments and fleet management
- **gico** — github.com/taigrr/gico — Terminal-based GitHub-style commit heatmap and activity visualizer
- TinyGo patches adding ChromeOS host flashing support to the compiler tooling
- Golang wrappers for **systemctl** and **adb**

PUBLIC ENGAGEMENT & LEADERSHIP

- Speaker, SaltStack Open Hour — covered CVE-2020-11651/11652 and live mitigation strategies
- Author, saltexploit.com — security incident documentation and defense guides
- Guest, freeCodeCamp Podcast — upcoming episode on OSS, Go, and language performance
- Instructor, LinkedIn Learning — "Choosing the Right Back-End Language: TypeScript, Go, or Rust"
- Streamer, Twitch (warp_tux) — live coding sessions focused on FOSS, Go, React, and Neovim

SKILLS

- **Languages**: Go (primary), Python, TypeScript/Node.js, Rust, Bash, Lua, C
- **Cloud & DevOps**: GCP, Docker, Kubernetes (K3s), NGINX, SaltStack/grlx, Terraform, CI/CD
- **Systems & Infra**: Linux (Arch + gentoo), systemd/sysv, WireGuard, FUSE, Android, Neovim
- **Practices**: DevSecOps, Infrastructure-as-Code, Secure-by-Default Architecture, OSS Maintenance

References available upon request.