George Zackrison

Senior Software Engineer | AI Integration, Go & Linux

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SUMMARY

Software engineer with 10+ years shipping web products who builds AI into real software and runs it on Linux: Go services, OpenAI-compatible LLM integration (hosted or local), and the servers, deploys, and backups behind them.

EXPERIENCE

Ouroboros Technology LLC | *Owner / Software Engineer, McMinnville, TN* Sep 2023 – Present

- Built a real-estate investment research product, still in development and run locally (Go API, Preact, SpatiaLite GIS), that ranks comparable property sales and calculates step-by-step deal estimates, streaming plain-English explanations from the OpenAI Responses API.
- Wrote Go server code that parses public records into property and sales data, giving the ranking and deal calculations real inputs to work from.
- Advised a client's management team on architecture and technology choices for a new SPA, aiming for a stack their in-house developers could maintain long term.

AllenComm | *Technical Lead, Salt Lake City, UT* Oct 2021 – Oct 2023

- Co-built and helped launch an SPA platform that 15+ customers use to produce web-based training courses quickly.
- Led the technical side of 20+ projects, working with instructional design, writing, project management, and graphic design, and represented engineering in regular customer meetings and final presentations.
- Onboarded and mentored 5 programmers, building a team that kept improving and worked well together.

AllenComm | *Computer Programmer* Jun 2015 – Oct 2021

- Planned and built 12+ SPAs from scratch while maintaining 100+ customer-facing SPAs, and wrote a library on a customer's proprietary platform reused across 12+ of their courses.
- Served as main contributor to AllenComm's public web-component UI library (tabs, accordions, comboboxes, date pickers) used across its eLearning products.

SELECTED PROJECTS

- **Async Wargame (private, demo on request):** Go web app with an AI referee that runs on any OpenAI-compatible model (hosted, Ollama, or llama.cpp); systemd, Caddy auto-HTTPS, scheduled backups, GitHub Actions CI.
- **FreeBSD Homelab Provisioning (private):** Bash deploy tooling for a headless FreeBSD server: Bastille jails for self-hosted services, Caddy, SOPS/age secrets, cron and smartd monitoring, documented backup and recovery.

SKILLS

- **AI/LLM:** AI API integration, streaming and structured output, AI coding agents (Codex, Cursor)
- **Languages & Data:** Go, JavaScript, C, Python, SQL, Bash; Preact/React, web components; SQLite/SpatiaLite
- **Linux & DevOps:** Linux, Caddy, GitHub Actions, SOPS/age, SSH

Also writing a novel under DBA Ouroboros Publishing.