Angelo Fallaria

@ ba.fallaria@gmail.com   ⊘ angelo.fallaria.com   ⌨ angelofallars   ▥ Angelo Fallaria   📍 Philippines

Software engineer with 2 years of experience building web apps, open-source maintainer, and Go enthusiast.

Professional Experience

Software Engineer @ SofSafe

📅 May 2022 — Jul 2024   📍 (Remote) New Mexico, USA

- Migrated a 20K+ LoC legacy Python 2 Flask application on GCP to Python 3 with FastAPI, improving maintainability and performance.
- Built an invoice creation web app with **Go** that calculates hourly pricing using Trello board data with 100% accuracy.
- Architected a system for usage-based Stripe billing that recuperated 100% of cloud/SAAS expenses.
- Helped architect the schema for 25+ GCP **Python** endpoints and 90+ Cloud Firestore collections.
- **Technologies:** GCP, Python, FastAPI, Go, TypeScript, Vue, Tailwind, Cloud Firestore, Twilio, SendGrid

Open-Source Projects

Maintainer @ Einstein Engines

📅 Jul 2024 — Present   ⌨ GitHub [★ 84 stars]

Einstein Engines is a fork of the multiplayer game **Space Station 14**, where up to 100+ players work in a space station in a shift lasting 1-2 hours with extensive mechanics including fully-simulated atmospherics, a comprehensive medical system, and fully destructible and repairable environments.

- Developed new gameplay content and mechanics, namely a unique *playable species* with in-depth mechanics, new *combat mechanics*, cosmetic customizations, and balance changes.
- Built content in **C#** and **YAML** in a custom ECS-based game engine reaching hundreds of players across several game servers, serving as a maintainer in a team of 8+ other maintainers and 120+ contributors.

htmx-go — Own project

📅 Nov 2023   ⌨ GitHub [★ 795 stars]

- Created a type-safe **Go** library that can handle all HTMX-adjacent code on the server side.
- Library is used in the Gowebly CLI tool (★ **1.2K** stars) as the HTMX library for generated projects.
- Project was featured in the newsletter **Golang Weekly** with 36,000+ subscribers on Issue #486.

litok — Waycrate

📅 Dec 2023   ◯ SourceHut

- Built a scripting language implemented in **Rust** inspired by Lua, Python, and JavaScript.
- Created 36 table-driven unit tests with 150+ total test cases for the lexer, parser, and evaluator.
- Wrote the EBNF (extended Backus–Naur form) grammar description of the language.

swhkd — Waycrate

📅 Jan 2022   ⌨ GitHub [★ 786 stars]

- Created swhkd's configuration language parser in **Rust** using test-driven development with 20+ unit tests.
- Patched security vulnerability CVE-2022-27814 (PR #122), preventing arbitrary file-existence tests.

Skills

Languages: Python, Go, Rust, C#, Bash, JavaScript/TypeScript, HTML/CSS

Web libraries/frameworks: FastAPI, Tailwind CSS, Echo, Chi, Templ, HTMX

Cloud/Infra: GCP, Firestore, SQL, Linux

Tools: Git, GitHub, Vim/Neovim