

Steven Turturo

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Executive Summary

- 10+ years of experience across engineering, product and analytics disciplines in both startups and large organizations.
- Proven track record of delivering high-impact projects using Go and other technologies while leading cross-functional teams to success.
- Consistently demonstrated the ability to balance technical excellence with business priorities, resulting in products that meet user needs while maintaining code quality and system performance.

Skills

Programming Languages and Frameworks: Go / Golang, Typescript, JavaScript, SQL, React, Python, Vue.js, C#

Technologies: Linux, Google Cloud Platform (GCP), Docker, Postgres, Kubernetes, CockroachDB, Cosmos DB, Azure, Elasticsearch

Experience

Senior Software Engineer

October 2023 – October 2024

Canopy

Remote

- Led a team of 5 software engineers, establishing upskilling frameworks that lead to an improved SDLC process by switching the methods for code review, enhancements of the CI/CD pipelines, and integration of automated testing; increasing the delivery speed of changes into production environments from weekly to daily deployments.
- Created development strategies for new and existing products by negotiating requirements, setting priorities, and aligning executive leadership.
- Built out Canopy's core data orchestration and integration platform backend services with Go and Postgres as part of core product to allow customers to design seamless integrations for 3rd party and customer API services and databases.
- Created new and optimized existing CI/CD pipelines with GitHub Actions, Dagger modules to test and deploy application front-end and backend services to Google Cloud Platform, reduced production deployment run times from 35 minutes down to 5 min by implementing parallelized tests and optimized container builds.
- Gathered product requirements from key stakeholders during support calls, sales demos, and investor calls and created product roadmaps to prioritize feature development.
- Authored comprehensive technical documentation for a complex data integration platform, improving customer onboarding efficiency reducing support requests.
- Architected and deployed Prometheus metrics and distributed tracing using OpenTelemetry into the core backend application microservices and as a product feature for customer data workflows within the Canopy platform to identify performance bottlenecks within Grafana dashboards.

Software Engineer

January 2023 – October 2023

Finxact

Remote

- Developed and maintained new features for a TypeScript-to-Go compiler, allowing client developers to write custom modules in Typescript to compile to Go binaries as plugins for integrating with the core product.
- Created internal developer tooling to provide ease of debugging production services and internal TypeScript-to-Go code linting, increasing the velocity of client developer's feedback loop when developing custom modules to integrate with the core software.
- Refactored existing code generation services to allow greater extensibility from JSON Configuration as Code to generate Go, TypeScript, and SQL tables, data models and REST API endpoints.

Founder, Software Engineer

May 2020 – December 2022

Avocagrow

Remote

- Developed a consumer facing platform to track watering, fertilizing, and trimming schedules for common houseplants and home gardens growing to a peak of 1627 users.
- Created a privacy focused algorithm to map user locations to local weather to provide extreme heat and frost alerts without storing the exact address for a user using H3 indexes.
- Designed and built an accessible user interface using Vue.js and Tailwindcss to communicate with backend API services built with Go, gRPC, and Postgres.

Senior Software Engineer**April 2022 – October 2022**

Admiral

Remote

- Developed and managed multiple microservices using JSON-RPC and REST APIs with Go, YugabyteDB, MongoDB to detect ad-block software and capture lost revenue for thousands of publishers and content creators.
- Designed an internal auditing tool for JavaScript bundles and Go binaries, allowing programmatic check sums verification for deployed software.
- Drafted technical requirement documentation for proposed features and new microservices required to support internal tooling and external customers, allowing for quick sprint planning and feature development among teammates.

Senior Software Engineer (Contract)**August 2021 – April 2022**

Knight-Swift Transportation

Remote

- Provided mentorship to junior and mid-level engineers on best practices of .NET and Vue.js, application development, teaching fundamentals of git, unit and integration testing, and using Docker for assist in the software development lifecycle.
- Developed data processing pipelines in Python to efficiently retrieve and update geographic and land parcel data from 3rd party vendor systems.
- Managed and maintained Gitlab CI/CD templates used by developer teams, in addition to helping developer teams debug issues with their deployed applications.

Fullstack Developer**June 2019 – June 2021**

ASR Health Benefits

Remote

Application Developer**February 2017– June 2019**

Aetna

Hybrid

Software Developer**October 2015– February 2017**

GeekHQ Software Agency

Hybrid

Sergeant**June 2010– August 2016**

United States Marine Corps

Open source

perm - Maintainer<https://github.com/theoriginalstove/perm>

- Created a Zed text editor extension to provide syntax highlighting for Permify DSL files to define Google Zanzibar based authorization schemata with 4706 installs.

Permify - Contributor<https://github.com/Permify/permify>

- Created the testcontainers-permify Go and Node.js implementations as community modules for the testcontainers ecosystem.
- Contributed enhancements to the domain specific language to allow multi line expressions when defining permission and action rules within a perm file for formatting and ease of authoring Permify schemas.

Education

Bachelor of Science, Computer Information Systems**December 2017**

Arizona State University