

Andrew Steurer

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SUMMARY

Software engineer and open source contributor in the WebAssembly and OpenTelemetry ecosystems, with regular upstream contributions in Rust and Golang. Experienced building developer tools and automating technical and business processes.

TECHNOLOGIES

- Rust, Golang, TypeScript, Bash
- Amazon Web Services, WebAssembly
- Terraform, Pulumi, GitHub Actions
- Linux, Docker, Kubernetes

WORK EXPERIENCE

Cognizant - SDET

Feb 2025 - Current | Nashville, TN

- Helped build and maintain an automated UI test suite for a major retailer's website using **JavaScript** Playwright.
- Translated business requirements into test cases and provided feedback to developers when bugs were discovered.

Fermyon - Solution Engineer Intern

May 2024 - Sep 2024 | Remote

- Created demos and guides to help developers integrate WebAssembly into their application stacks.
- Built and made improvements to developer tools with **Golang** that helped boost productivity by 15.3%.
- Wrote several blog posts, [one of which](#) was among the top 10 most visited for 2024.

Conservice - Data and Reporting Analyst

Jan 2022 - May 2024 | Logan, Utah

- Used **Python** and **Amazon Web Services** to analyze large amounts of data and build reports for the executive team.
- Built, maintained, and improved automated processes using **JavaScript** for 5 different teams saving over 100 hours of manual work a week.

CERTIFICATIONS

- AWS Certified Developer Associate
- AWS Certified Cloud Practitioner

EDUCATION

Bachelor of Science, Computer Science
Western Governors University

OPEN SOURCE WORK

WASI OTel

github.com/webassembly/wasi-otel

- Co-authored the standard for how OpenTelemetry is used in **WebAssembly**, which involved converting the specifications for metrics, traces, and logs into a format compatible with WebAssembly environments.

OpenTelemetry WASI

github.com/calebschoepp/opentelemetry-wasi

- Creating SDKs for **Golang**, **Rust**, and **TypeScript** that make it easy for developers to instrument their **WebAssembly** applications with OpenTelemetry.
- Currently have an [open PR](#) to add WASI OTel to the Spin WebAssembly runtime.

Spin OTel Plugin

github.com/fermyon/otel-plugin

- Used **Golang** to build a plugin for the Spin **WebAssembly** runtime that makes it easy for developers to collect and view OpenTelemetry data from their applications.
- Built a cross-platform **CI/CD** pipeline using **GitHub Actions** that creates versioned releases and canary builds.

Fake OpenTelemetry Collector

crates.io/crates/fake-opentelemetry-collector

- Added a feature that allows for the collection of OpenTelemetry metric data.

AWS Creds CLI Tool

github.com/asteurer/aws-creds

- Used **Rust** to build a command-line tool that makes it easier to manage and use temporary credentials for **Amazon Web Services**.

DNS Server

github.com/asteurer/dns-server

- Built DNS server in both **Golang** and **Rust** that can resolve and forward DNS queries.