

# Andrew Steurer

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## PROFESSIONAL SUMMARY

Junior software engineer with a strong drive for continuous learning and a proven ability to quickly master and apply complex technologies. Passionate about exploring and contributing to open source projects, demonstrating initiative and curiosity in tackling new challenges.

## TECHNOLOGIES

**Proficient In:** Golang, Kubernetes, Helm, Docker, Linux, GitHub Actions, Terraform

**Familiar With:** Python, JavaScript, NGINX, Ansible, Microsoft Azure, Amazon Web Services, DigitalOcean, CloudFlare, Redis, PostgreSQL, Let's Encrypt

## WORK EXPERIENCE

### Fermyon | Solution Engineer Intern

May 2024 - Sep 2024 | Remote

- Crafted bespoke demonstrations that showcased WebAssembly applications into a variety of contexts and architectures.
- Built tools for and made contributions to Spin's open source ecosystem that improved developer productivity by 15.3%.
- Able to adapt to challenging situations by performing well after layoffs dissolved the technical sales team.

### Conservice | Data and Reporting Analyst

Jul 2023 - May 2024 | Logan, Utah

- Collaborated with Conservice's executive team to better-understand the business through quantitative and qualitative analysis.
- Built, maintained, and improved automated processes for 5 different teams saving over 20 hours of manual work a week.

## CERTIFICATIONS

- AWS Certified Developer Associate, Nov 2026
- AWS Certified Cloud Practitioner, Nov 2026
- CompTIA Project+, Jul 2026
- ITIL 4 Foundation, Jan 2027

## EDUCATION

### Bachelor of Science, Computer Science

Aug 2022 - Mar 2024 | Western Governors University

- GPA: 3.46/4.00
- Completed degree (with 18 transfer credits) in just over 1.5 years.

## PROJECTS

### Personal Website

Sep 2024 - Current

[github.com/asteurer/asteurer.com](https://github.com/asteurer/asteurer.com)

- Wrote Infrastructure as Code to automate the deployment of a Linux server, WordPress, NGINX, DNS records, and SSL certificates.

### Kube Hack

Aug 2024 - Current

[github.com/kube-hack/charts](https://github.com/kube-hack/charts)

- Created a Helm repository demonstrating Kubernetes infrastructure with security vulnerabilities, including examples of exploitation and mitigation.
- Created CI/CD pipelines managing images for various container registries.

### SpinKube Spin Operator

Jul 2024 - Aug 2024

[github.com/spinkube/spin-operator](https://github.com/spinkube/spin-operator)

- Added improvements to the SpinKube Spin Operator that allow for Spin apps running in Kubernetes to export telemetry data (see [pull request 273](#))
- Documented improvements in the official SpinKube docs (see [pull request 226](#))

### Experimental Azure Client

Jun 2024 - Aug 2024

[github.com/fermyon/experimental-azure-client](https://github.com/fermyon/experimental-azure-client)

- Designed a WebAssembly application that communicates with Azure's object storage and queue service APIs.
- Built a CI/CD pipeline that includes fully-automated unit testing and deployment to a container registry.

### Spin Plugins

Jul 2024 - Aug 2024

[github.com/fermyon/verman-plugin](https://github.com/fermyon/verman-plugin)

[github.com/fermyon/otel-plugin](https://github.com/fermyon/otel-plugin)

[github.com/fermyon/blueprint-plugin](https://github.com/fermyon/blueprint-plugin)

- Created plugins for the Spin CLI that provide a better developer experience switching versions of Spin, observing Spin apps, and visualizing the different parts of a Spin app.
- Built CI/CD pipelines that create releases for multiple operating systems and architectures.