Avery Harnish

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ABOUT

I'm a product-minded software engineer and I primarily work on developer tooling.

EXPERIENCE

APOLLO GRAPHQL, INC. - SENIOR SOFTWARE ENGINEER
September 2020 - Current

Lead developer for the Rover CLI
- Ported all server-side graph management utilities from the now-deprecated apollo-cli to Rover.
- Regularly communicated with product and engineering teams in order to align direction and deliver value to our developers.
- Developed an error handling framework for Rover that is complete with documented error codes and helpful suggestions for resolving frequently encountered errors.
- Wrote extensive documentation to support developers using Rover and devlopers working on Rover.
- Architechted all of Rover's cross-platform installers.
- Automated and documented Rover's complex release pipeline.
- Managed Rover's open source issue tracker and community pull requests.

CLOUDFLARE, INC. - SYSTEMS ENGINEER
November 2018 - August 2020

Core developer for the Wrangler CLI and AMP Real URL.
- Designed and developed Wrangler with a small team.
- Designed and developed 'wrangler dev' which allows anyone to test their Workers in a local environment.
- Contributed to Rust open source projects for Wrangler dependencies tokio, wasm-pack, cargo-generate, and binary-install.
- Developed and maintained Workers Sites which boasts faster response times when benchmarked against similar products such as Netlify and Zeit.
- Created an open source template for developing Cloudflare Workers with TypeScript.
- Managed Wrangler's open source issue tracker and community pull requests.

CLOUDFLARE, INC. - SYSTEMS ENGINEER INTERN
May 2018 – November 2018

Developed applications for Cloudflare's edge network with Cloudflare Workers.
- Shipped a distributed implementation of Signed HTTP Exchanges to provide Real URLs for Cloudflare customers with AMP pages that now serves thousands of signed exchanges per second to Googlebot.
- Spoke about AMP Real URL and signed exchanges at the AMP Contributor Summit in October of 2018.
- Developed the Serverless Provider Plugin for Cloudflare Workers which was the first official CLI tool for publishing Workers.

EDUCATION

LAFAYETTE COLLEGE - BACHELOR OF ARTS
Computer Science and Religious Studies

RELEVANT SKILLS

EXPERIENCED WITH
Product Engineering • Rust • JavaScript
CI/CD • Cross-platform release management
Technical Writing • Cloudflare Workers

FAMILIAR WITH
Golang • CSS • TypeScript
JS bundlers • Docker • Public Speaking

PRESENTATIONS
AMP Contributor Summit 2018 - MOUNTAIN VIEW, CA

PUBLICATIONS
Real URLs for AMP Cached Content Using Cloudflare Workers - CLOUDFLARE BLOG