

Michael Hockerman

Full stack Software Engineer with a demonstrated history of producing high quality, customer-focused solutions to real problems, spanning web, backend systems, and infrastructure.

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(260) 580-8989

Experience

Trava • Indianapolis, IN

Senior Software Engineer

2023-Present

- Architected, built, and maintained a microservice oriented high-scale web and cloud cybersecurity scanning system using Typescript/Node.js, Golang, Temporal, and a variety of open source security scanning tools including nmap and Nuclei.
- Implemented a variety of new features in Trava's customer and internal-facing APIs and dashboard systems using Typescript, Node.js, Vite, and React, including a ground-up redesign of the platform's assessments and vulnerabilities feature.
- Mentored a team of entry and mid-level engineers, assisting with architecture, decision making, documentation, career development, and implementation.

Cloudflare • San Francisco, CA (Remote)

Systems Engineer

2021-2023

- Planned and implemented new API and domains-facing platform features for enterprise customers including opt-in domain security enhancements and API access over mTLS using a variety of technologies including Golang and PHP.
- Modernized dozens of legacy workloads from traditional servers to Kubernetes, enhancing with cloud native features including secret distribution using Vault and horizontal auto-scaling.
- Responded to high severity on-call incidents affecting millions of customers and internet users, implementing observability and alerting improvements across our services.

Structural • Indianapolis, IN

Senior Software Engineer

2020-2021

Software Engineer

2016-2020

- Served as builder and primary owner of vast parts of Structural's platform, spanning a Typescript & Node.js backend, and React frontend, including user sign-in and authorization, bulk user importing, business metrics reporting, the platform's in-app administrative panel, and more.
- Maintained all cloud deployed assets on AWS, evolving our deployment strategy over the years from a single EC2 instance, to adopting Docker, Kubernetes, and eventually AWS ECS and Fargate.
- Acted as engineering point-of-contact on security reviews and compliance, including four years of successful SOC-2 Type II audits.
- Led the implementation of a variety of system monitoring and instrumentation capabilities, including alerting, refining our on-call procedures, logging, and distributed tracing, all with Datadog.

Yelp • San Francisco, CA

Software Engineering Intern

2015

- Laid foundations for a personally identifiable information mapping & filtering system within Yelp's MySQL business analytics and metrics data pipeline, optimizing PII field search times via binary search.

Community

Take The Reins • Noblesville, IN

Web Engineer

2024-Present

Women Investors Network • Indianapolis, IN

Web Engineer

2019-Present

- Over the years I've volunteered with a handful of central Indiana nonprofit organizations to help with web development and IT infrastructure, spanning from website design, implementation using React, NextJS, Astro, & other web technologies, and ongoing hosting, maintenance, and content updates.

Open Source Projects • <https://github.com/mhoc>

Education

Purdue University • West Lafayette, IN

Major • Computer Science

2012-2015

- Served as Vice President, and then President, of Purdue's ACM SIGAPP chapter, focused on mentorship surrounding and the production of Android and iOS mobile applications.