

Michael Hockerman

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

Experience

Trava, Senior Software Engineer (Indianapolis IN, 2023-Present)

- Architected, built, maintained, and evolved an array of TypeScript and Golang-based systems powering cybersecurity scanning for our customers, leveraging technologies such as Temporal, React, and open source scanning tools to identify vulnerabilities.
- Balanced the prioritization of customer needs, business requirements, product evolution, and technical debt to meaningfully move the product suite forward.
- Mentored a team of engineers from the highest seniority, assisting with architecture, decision making, documentation, career development, and execution.

Cloudflare, Systems Engineer (San Francisco CA / Remote, 2021-2023)

- Architected & implemented new API and domains-facing platform features for Enterprise customers including opt-in domain security enhancements and API access over mTLS.
- Modernized dozens of legacy workloads from traditional servers to Kubernetes.
- Responded to high severity on-call incidents affecting millions of customers and internet users, implementing observability and alerting improvements across our services.

Structural, Senior Software Engineer (Indianapolis IN, 2016 - 2021)

- Shipped countless product features spanning Structural's Typescript & Node.JS backend and React frontend, including user sign-in and authorization, bulk user importing, business metrics tracking, the in-app admin panel, and more.
- Owned and 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.
- 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, generally with Datadog.

Yelp, Software Engineering Intern (San Francisco CA, 2015)

- Optimized log search times in a MySQL-sourced data pipeline for business analytics, and engineered a mapping/filtering system to flag and censor personally identifiable information within the pipeline.

Projects

Take The Reins, Web Developer (Noblesville IN, 2024-Present)

Women Investors Network, Web Developer (Indianapolis IN, 2019-Present)

- Over the years I've assisted a handful of central Indiana nonprofit organizations with web development and IT infrastructure, spanning from website design, implementation (React, NextJS, Astro, etc), and ongoing hosting, maintenance, and content updates.

Open source projects are browseable at <https://github.com/mhoc>

Education

Purdue University, Computer Science (West Lafayette IN, 2012-2015)

Minor in Organizational Leadership and Supervision