

# Andrew Hessler

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## SOFTWARE ENGINEER

8 years of experience building and maintaining distributed backend systems across logistics, beverage distribution, telecommunications, and public sector organizations. Delivered APIs, internal web applications, data pipelines, and performance-critical infrastructure with cloud, database, and observability tooling.

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## EXPERIENCE

### Staff Software Engineer

**Mastery Logistics Systems (Mid-sized logistics SaaS provider, 700+ employees)**

**November 2021 - Present, Remote, MN**

- Building Data Science ingest pipeline for continuous enhancement to critical algorithms.
- Building out of LLM-assisted application workflow integrations with a focus on infrastructure and evaluations.
- Alongside a cohort of DBAs, led the refactor of our aggregated read layer to address a number of performance problems reducing latency by 10x and centralizing data ingest.
- Led development of a performance-critical backend platform supporting ETA calculations, collaborating with database and infrastructure engineers to improve reliability, latency, and overall system scalability.
- Enhanced DevX deployment experience across 20 environments by architecting a solution that cut 8000 deployable applications into 400-800.
- Architected and maintained distributed services that aggregate and serve read-heavy data at scale, balancing consistency, performance, and operational simplicity across multiple downstream consumers.
- Proposed and sponsored the adoption of Rust for critical systems. Created Node and .NET bindings for Rust Data Science packages for enhanced distributability to application teams.
- Prototyped and implemented simulation-testing for validation of our in-house ETA service.
- Acted as technical lead for a 4-person engineering team.

### Software Engineer

**Viking Coca-Cola (Multi-state local beverage distribution, 300+ employees)**

**December 2017 - October 2021, Waite Park, MN**

- Designed and implemented a web application, that found discrepancies in 1.2% of orders with an average discrepancy of \$44.73 per order.
  - Built a web application to track "Camp Time" of truck drivers using Verizon Connect and Google Maps/Directions APIs using GPS to measure the time taken for drivers to perform their initial vehicle checks and measure the length of deliveries.
  - Designed and created a responsive dashboard that adjusted layout based on screen size, containing easy to plug-and-play "cards" from AJAX requests that quickly communicated relevant KPIs to each individual manager in an easy to understand user experience.
  - Built an application to calculate commissions based off a third party application. The new implementation resulted in saving the company 11.4% on commissions paid to customers.
  - Collaborated with a senior developer to lead the transition from our PHP website to a Node backend.
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## EDUCATION

### Bachelor's Degree in Computer Science

Illinois Institute of Technology • Chicago, IL • 2017

### Computer Science, Liberal Arts Credits

St. Cloud State University • St. Cloud, MN • 2014

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## SKILLS

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Typescript, Rust, C#, C++, C, PHP, Python, Bash, Lua, Go, Clojure, Java

Node, NestJS, .NET, N-API, SQL, Microsoft SQL, SQLite, MySQL, MariaDB, Kafka, Redis, Azure, GCP, Cloudflare, LLMs, Agentic Development, LLM Eval Harnesses

Docker, Kubernetes, Helm, Github Actions, React, Zustand, Tailwind, Git, Grafana, New Relic, Tracing, Profiling, Terraform, Cypress, Jest

GraphQL Federation, REST, LaunchDarkly, nginx

MacOS, Linux, Windows, Microservices, Modular Monoliths, Layered Architecture, Hexagonal Architecture, Domain Driven Design, Iterative Development, Inversion of Control, Dependency Injection Containers, Servant Leadership, Pathfinding Algorithms

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