Andrew Hessler

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SUMMARY

I love making the lives of my teammates easier and pride myself on narrowing in on value to accelerate projects. I have 8 years of experience planning, building, and maintaining distributed backend systems across logistics and beverage distribution.

EXPERIENCE

Staff Backend Software Engineer

Mastery Logistics Systems (Mid-sized logistics SaaS provider, 700+ employees) **September 2024 - Present, Remote, MN**

- Building Data Science ingest pipeline for continuous enhancement to critical algorithms allowing review of 100,000+ calculations per day.
- Building out of LLM-assisted application workflow integrations with a focus on infrastructure and evaluations.
- 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 deployment reliability and DevX across 20 environments by architecting a solution that cut 8,000 deployable applications into 400-800.
- Prototyped and implemented simulation-testing for validation of in-house ETA service.

Senior Backend Software Engineer

Mastery Logistics Systems (Mid-sized logistics SaaS provider, 700+ employees) **February 2023 - September 2024, Remote, WA**

- Alongside a cohort of DBAs, led the refactor of the aggregated read layer to address a number of performance problems reducing latency by 10x and centralizing data ingest.
- 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.
- Acted as technical lead for a 4-person engineering team.

Backend Software Engineer

Mastery Logistics Systems (Mid-sized logistics SaaS provider, 700+ employees) **November 2021 - February 2023, Remote, WA**

- Quickly spun up and maintained services in 5+ domains, collaborating with product managers to reliably deliver enhancements.
- Assisted in the rewrite of multiple legacy services to the NestJS framework using appropriate strategies including strangler fig and parallel rewrites with GQL Federation subgraph migration.
- Contributed enhancements to DevOps to safely and continuously deploy services to 20+ client environments.

Full Stack 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 initial vehicle checks and 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 transition an intranet from PHP/MySQL to Node/React/MSSQL.

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

SKILLS

Typescript, Rust, C#, PHP, Python, Bash, Lua, Go

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