Andrew Hessler

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EDU

BS in Computer Science   09/2014 - 05/2017
Illinois Institute of Technology, Chicago, IL

Computer Science, Liberal Arts Credits   09/2012 - 05/2014
St. Cloud State University, St. Cloud, MN

SKILLS

Languages, Technologies, & Practices
Typescript, Rust, C#, C++, C, PHP, Python, Bash, Lua, Go, Clojure, Java, Node, NestJS, .NET, N-API, SQL, Microsoft SQL, PostgresSQL, MySQL, MariaDB, Kafka, Redis, Azure, GCP, Cloudflare, Docker, Kubernetes, Helm, Github Actions, React, Zustand, Tailwind, Git, Grafana, New Relic, Tracing, Profiling, Terraform, Cypress, Jest, GraphQL Federation, REST, LaunchDarkly, nginx, Unix-like, Windows, Microservices, Modular Monoliths, Layered Architecture, Hexagonal Architecture, Domain Driven Design, Iterative Development, Inversion of Control, Dependency Injection Containers, Servant Leadership, Pathfinding Algorithms, and more

EXP

Staff Software Engineer   11/2021 - Present
Mastery Logistics Systems, Remote, MN
- Alongside a cohort of DBAs, led the refactor of our aggregated read layer to address a number of performance problems.
- Proposed and sponsored the adoption of Rust for critical systems.
- Prototyped and implemented simulation-testing for validation of our in-house ETA service.
- Architected and led implementation of our ETA service and read aggregated layer.
- Technical lead for team of four.
- Created Node bindings for Rust Data Science packages for distributability to Node teams.
- Discovered and implemented a fix for a node-rdkafka/confluent-fork latency bug.

Software Engineer   12/2017 - 10/2021
Viking Coca-Cola, Waite Park, MN
- Troubleshot issues regarding third party applications and hardware.
- Created web applications for employees to clarify reports and streamline internal processes.
- Reverse engineered third-party APIs to integrate with our system.
- Compared the GPS coordinates of branch locations and drivers to calculate the amount of time spent at a warehouse location from the time of clocking-in.
- Created a program to scour daily sales records to look for differences in expected and actual sale price.
- Produced an easy to use UI for managers to communicate and report on the discrepancies.

Tech Support Analyst I   08/2017 - 12/2017
GeoComm, St. Cloud, MN
- Quickly and reliably troubleshot issues with software used by 911 services.
- Compiled useful documentation.

Web Administrator   09/2015 - 07/2017
DuPage Regional Office of Education, Wheaton, IL