Luke Ward

Software Engineer

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github.com/DukeBWard

Professional Experience

Cornerstone Software

Software Engineer ☑

09/2023 - present | Remote, NH

- Developed a vendor product enabling companies to create distributed applications that connect to the HPE NonStop machine
- Upgraded C, C++ and Java code for modern Windows SDK increasing range of compatibility for user machines
- Developed and packaged software for Hewlett Packard Enterprise utilized by 150 companies

Software Engineer ☑

05/2023 - 08/2023 | Sunnyvale, CA

- Automated infrastructure using Pulumi & TypeScript saving engineers 24 48 hours per request and delivering to customers up to 10 business days sooner
- Improved team functionality and project efficiency through direct contributions
- Collaborated with distributed teams in Texas and China using mTLS, Asynchronous Computing, Grafana, and Jira

Fidelity Investments

Software Engineer 🛮

06/2022 - 08/2022 | Merrimack, NH

- Collaborated with engineers and QA personnel to develop an internal facing test data service, improving feedback and exposure
- Enhanced user experience by implementing accessibility features, leading to a 300% increase in interactions by Data Scientists
- Engineered full stack solutions using Angular and Java Spring REST API Created custom MySQL queries, significantly improving application modularity and efficiency
- Deployed application on Azure Kubernetes AKS cluster and AWS using Jenkins CI/CD pipeline

Rochester Institute of Technology

Course Assistant ☑

08/2021 - 08/2022 | Rochester, NY

- Assisted and mentored over 25 students in Intro to Software Engineering course, organizing meetings and providing homework help
- Developed grading skills, offering constructive feedback to enhance students' learning experience

B.S. Computer Science

Rochester Institute of Technology ☑

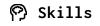
2020 - 2024

Cum Laude, 3.5 GPA

Projects

Simple Search ☑

- Developed and integrated a search engine web crawler and indexer to perform searches across the web
- Utilized Technologies such as Go, Fiber, Htmx, Cron, and Templ with TailwindCSS to create a modern search experience
- Stored relational items such as crawled urls, search indices, token urls and users on a PostgreSQL instance



Agile Algorithms

API Angular

Distributed Systems Pulumi

Jira

mTI S

Asynchronous Computing

MySQL REST API

Grafana

Jenkins CI/CD Java Spring

Kubernetes git

Go TypeScript Java

Javascript С C#

Python SQL Spring Boot

AWS Azure Docker

GCP HTML CSS NextJS