

# Luke Ward

## Software Engineer

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### 📁 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

#### Apple

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

### 🎓 Education

#### 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

### 🧠 Skills

Agile Algorithms

Angular API

Distributed Systems Pulumi

Asynchronous Computing

Grafana Jira mTLS

MySQL REST API

Jenkins CI/CD Java Spring

Kubernetes git

TypeScript Java Go

Javascript C C#

Python SQL Spring Boot

AWS Azure Docker

GCP HTML CSS NextJS