Luke Ward Software Engineer

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SUMMARY

Innovative software engineer proficient in Go, Java, Python, and TypeScript. Adept at architecting secure, high-performance distributed systems and full-stack applications across AWS, Azure, and GCP. With a proven track record at Apple, Fidelity, and Cornerstone, now seeking to leverage expertise in DevOps, CI/CD, and containerization, complemented by ongoing Cloud and AI certifications, to deliver impactful business outcomes.

PROFESSIONAL EXPERIENCE

Pulumi 04/2025 - present

Software Engineer ⊘

- Insights

Cornerstone Software 09/2023 - 04/2025

Software Engineer ⊗

Remote, NH

- Designed and improved a vendor product enabling companies to create distributed applications that connect to the HPE NonStop machine
- Lead development of C, Java and Go code for modern Windows SDK increasing range of compatibility for user machines
- Developed and packaged software for Hewlett Packard Enterprise utilized by 150 companies
- Deployed and managed critical cloud architecture using Pulumi, Docker, Jenkins, AWS EC2
- Lead development of updated build and release system, decreasing time to release by over 250%
- Lead collaboration across multiple teams within Hewlett Packard Enterprise to improve product lifecycle
- Participate in 24/7 on call system administration

Apple 05/2023 - 08/2023

Software Engineer / Site Reliability Engineer ∂

- Led automation of infrastructure within the Information Security organization using Pulumi, TypeScript & Python saving engineers 24-48 hours per request and delivering to customers up to 10 business days sooner
- Collaborated with a teammate to develop a Go REST API that streamlined cloud resource management as part of the automation efforts
- Developed monitoring solution to rapidly improve overall observability of computing resources within the organization
- Improved team functionality and project efficiency through direct contributions
- Collaborated with distributed teams across the United States and China using mTLS, Asynchronous Computing, Grafana, and Jira

Fidelity Investments

Software Engineer ⊘

06/2022 - 08/2022 Merrimack, NH

Sunnyvale, CA

- 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
- Led development of 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

{} skills

DevOps & Infrastructure

Docker, Jenkins, Pulumi, Github Actions

Languages

Go, Python, Java, SQL, Javascript, Typescript, C#

Databases

Relational Databases, MongoDB, MySQL, PostgreSQL

Monitoring & Tools

Grafana, Jira, Git, Bitbucket, cron, Nginx, Prometheus, Splunk

Operating Systems

Linux (Ubuntu, Debian), MacOS, Windows

Cloud

GCP, AWS, Azure, Vercel

Networking & Security

mTLS, Asynchronous Computing, Distributed Systems

Frameworks & Libraries

Nextjs, Angular, Spring Boot, Tailwind

Methodologies

CI/CD, DevOps, Agile, Serverless, Fail Fast Fail Often

05/2020 - 12/2023

₽ EDUCATION

B.S. Computer Science

Rochester Institute of Technology *⊘*

Cum Laude, 3.5 GPA

Cryptography, Fundamentals of Databases, Analysis of Algorithms, Software Engineering and System Design, Networking and Distributed Systems, Concepts of Parallel Computing

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

❸ INTERESTS

Homelab

Hosting services using docker and LXC containers. Proxmox Hypervisor, VPN, DNS, K3s, Nginx, Grafana, Prometheus, Linux VMs

Gym

100kg USAPL Powerlifting Federation

Outdoors

Love to ski and hike