

544 Pleasant St #2
Malden, MA 02148

ROBIN LI

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EMPLOYMENT

Software Engineer	VMware	May 2021 - Present
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- Working in the Vulnerability Scanning Enablement team developing scan enablement tooling consisting of Kubernetes controllers that run image and source code scanners to identify CVEs, run policies on CVEs, and produce Vulnerability Reports and Bill of Materials.
- Developed Kubernetes controllers that deploy user defined scanning jobs using Go.
- Developed Kubernetes custom resources for user defined scan objects for an image and source scan.

Software Engineer	Akamai Technologies	June 2020 - May 2021
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- Worked in the Deployment and Change Management team developing full-stack on Akamai's Platform Orchestration Tool using Django, Python, Postgres, Javascript, React which allows engineers to provision Kubernetes managed resources using a GitOps paradigm.
- Designed and implemented CLI tooling that automated processes to migrate Kubernetes resources from clusters to under Akamai's Platform Orchestration Tool management using Python.

Platform Engineer	DataRobot	April 2018 – April 2020
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- Worked in the Platform Delivery team developing installation and administration tooling for feature developers, cloud operations, and customer support using Python, Bash, Jenkins.
- Integrated feature developer services running in Docker into the DataRobot stack to be deployed on-premise and in cloud environments using Python, Jenkins, Docker, AWS, Ansible.
- Implemented development lifecycle processes for integration projects to define how to deliver services in production environments; including requirements specifications, architectural design, and guidelines for development, testing, and deploying services. Lifecycle process development included YAML configuration management, AWS infrastructure provisioning, Jenkins automated deployment and test coverage.
- Delivered Tileservr-GL, a geospatial map server, as part of the DataRobot stack to provide geospatial features with rendered map tile data to perform data-driven visualization layers over maps for geospatial customers.

Software Engineer	IBM	April 2017 – April 2018
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- Worked in IBM Connections Social Collaboration on the Automation team to develop a CI/CD pipeline using Kubernetes to orchestrate Docker images into Deployments, Services, and StatefulSets allowing feature developers to build, test and release software reliably and iteratively.
- Implemented rollback mechanism for CI/CD pipeline using Helm, Python, Docker, Kubernetes.
- Developed automation tooling towards logging, monitoring, and security for infrastructure and services.

Application Developer, Intern	Deutsche Bank	Summer 2016
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- Enhanced the workflow for price level and size distribution of corporate bonds to a Model-View-Controller architecture trading platform through Java Swing and Java backend development.
- Performed SQL Remediation on Java classes to protect against SQL injection.

Co-op Technical	Lockheed Martin	January 2016 – June 2016
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- Added automated testing functionality to a Python test framework for emulating networks on virtual and physical machines.
- Created and ran virtual machines using VMware vSphere Hypervisor to emulate network topologies to debug for latency delays, emulation, and virtualization issues.
- Added Web proxy forwarding of HTTP/HTTPS requests using Squid for emulated network Linux distribution nodes.
- Malware research in Dynamic Binary Analysis targeting ARM processors for program analysis, profiling, and instrumentation.

EDUCATION

Rochester, NY	Rochester Institute of Technology	Fall 2011 – Winter 2016
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- B.S. in Computer Science with Minor in Mathematics, GPA: 3.45

Languages and Technologies

- Python, Go, Bash, Javascript, React, SQL, HTML, CSS, Java, C
- Kubernetes, Docker, Concourse, Jenkins, AWS, Ansible, Django, Postgres, Linux, Hadoop