Nick Kohse

Full Stack Software Engineer

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EXPERIENCE

Cisco, Calgary — *Software Engineer*

May 2020 - Present

- Creating automation for our release process to increase the release cadence from less than once a year to quarterly.
- Design and implement a greenfield project to create a REST server and accompanying Vue site deployed in k8s to run our automated tests to decrease the coupling with our CI system. Running tests in parallel in this system cut run times down by 2/3rds
- Work live with customers on support cases to debug and solve issues with their deployments.
- Formulate questions and participate in interviews for new interns and full time engineers, mentoring the new hires.
- Drive initiative to increase automation of costly manual migration tests. Increased automation of this process cut it from a 2 week to 1 week manual effort
- Audit codebase to verify our compliance with Cisco's secure development lifecycle standards
- Design and implement new features for the product. Including...TODO

Cisco, Calgary — *QA Test Analyst Intern*

May 2018 - May 2020

- Writing automated tests for new features, as well as adding automated coverage to current features in production
- Maintaining our automated testing systems
- Monitoring and fixing critical continuous deployment jobs responsible for publishing anti-malware definitions to our customers.
- Finding, fixing and verifying fixes for defects.

SUMMARY

I am a Software Engineer working on Cisco's Secure Endpoint Private Cloud, an On-Prem packaging of the Secure Endpoint EDR product.

SKILLS

Programming Languages:

- Ruby
- JavaScript
- Go
- Python
- Bash

Automated Testing:

- Cucumber
- Selenium

Misc:

- K8s
- Node.js
- Chef
- Vue
- RHEL

EDUCATION

University of Calgary, BSC Software Engineering

September 2015 - April 2020

Graduated with distinction. Coursework focused on effective design and development of software systems in teams. Technical focus areas included cyber security and distributed systems.

PROJECTS

Software Engineering Capstone — *Render block diagrams from markdown input*

Project encompassed architecting, designing, building and implementing a system that took yaml input and rendered a block diagram of interconnected components in real time as you edited the markdown, using technologies such as node.js and d3.js