Vidun Jayakody

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CISCO CERTIFIED
CCNA

Education

Carleton University   Ottawa, ON
B.C.S. Computer Science, Streaming in Cybersecurity   Sep 2021 - Dec 2024
GPA: 3.8/4.0

Areas of Strength

Languages:	Python, Java, Bash, C/C++, HTML/CSS, Ansible, Terraform
Platforms/Tech:	AWS, Kubernetes, Docker, Linux, GitHub, GitLab CI/CD, MongoDB, Azure, VMware
Soft Skills:	Problem-solving, collaboration, communication, analytical thinking, initiative
Standards:	TCP/IP, OSPF, VLAN, VPN, IPsec, IPv6, RADIUS/TACACS+, ACL, DNS, HTTP/S

Experience

Site Reliability Engineer (SRE)   Ottawa, ON
Permanent Full-Time, Cisco (Cisco XDR Team)   May. 2023 - Present

- Maintained and enhanced Infrastructure-as-Code (IaC) Terraform modules for scalable, secure AWS environments
- Led bi-weekly Agile release cycles, coordinating with developers and QA to deploy production releases and hotfixes
- Automated deployment pipelines using Python and Bash, improving CI/CD speed and reliability
- Operated and supported Kubernetes clusters, managing Helm charts and container lifecycle
- Investigated and triaged Datadog alerts, improving system reliability and reducing incident response times
- Managed high-availability MongoDB clusters, performing scaling, backup, and performance tuning
- Coordinated access provisioning/de-provisioning, integrating with internal ITSM tools like JIRA and Confluence
- Documented SRE processes, runbooks, and postmortems to ensure team autonomy and reduce bus factor

Systems Administrator (Cloud Defense)   Ottawa, ON
Internship, Government of Canada   Jan. 2023 - Apr. 2023

- Used Terraform and Ansible to automate cloud infrastructure across AWS and Azure (IaC approach)
- Performed system monitoring, configuration management, and SLA compliance checks
- Managed internal tickets and change requests through JIRA and Outlook shared mailboxes

Software Developer (RPA) & Systems Administrator   Ottawa, ON
Internships, Government of Canada   Apr. 2022 – Dec. 2022

- Deployed containerized applications using Docker and orchestrated services via Docker Compose and Kubernetes
- Built CI/CD pipelines using GitLab CI, integrated static analysis and automated deployments
- Set up Kubernetes Ingress controllers and automated DNS with ExternalDNS
- Developed RPA bots to streamline HR workflows and reduce manual errors
- Authored process design documents (PDDs) covering use cases, architecture, and exception handling
- Enhanced workflow efficiency and compliance with federal automation standards

Network Security Automation Intern   Ottawa, ON
Internship, Nokia Corporation   Jan. 2022 - Apr. 2022

- Developed automated hardening scripts and Ansible playbooks for Nokia's Network Services Platform (NSP)
- Conducted testing on RHEL environments, contributing to secure deployment blueprints
- Participated in Agile ceremonies and tracked sprint progress through Microsoft Teams and Excel

Projects

Facial Recognition App   *Python, OpenCV*
Developed a deep learning script that detects faces from a webcam stream using OpenCV.
Cryptocurrency in Python   *Python, Blockchain*
Created a custom cryptocurrency to understand blockchain mechanics and implementation.
Project Soteria (Hackathon Project)   *AI, Cybersecurity*
AI hackathon project focused on intelligent security automation.
Reinforcement Learning Snake Game   *Python, PyTorch, AI*
Implemented a custom variant of the classic Snake game using Deep Q-Learning to showcase reinforcement learning in action.
DHCP Explained   *Networking, Cisco*
Created a tutorial video on configuring DHCP on Cisco Routers.

Certifications

CCNA 200-301 (Cisco Certified Network Associate)