



VIDUN JAYAKODY

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EDUCATION

Carleton University
Bachelor of Computer Science (B.C.S.), Cybersecurity Stream
Cumulative GPA: 3.8 / 4.0
Ottawa, ON
Sep 2021 – Dec 2024

SKILLS

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

EXPERIENCE

DevOps - Site Reliability Engineer (SRE) Remote
Permanent Full-Time, Cisco (Cisco XDR Team) May 2023 – Present

- Maintained and enhanced **Infrastructure-as-Code (IaC)** Terraform modules for 15+ **AWS** accounts across dev, test, and production environments
- Led **Agile** release cycles, coordinating with 5+ developers and QA engineers to deploy biweekly releases and hotfixes
- Automated CI/CD workflows using GitHub pipelines, reducing deployment time by 30%
- Operated **EKS**-based **Kubernetes** clusters across 3 regions
- Monitored 200+ microservices using **Datadog**, **Prometheus**, and **Grafana**, maintaining 99.9% uptime
- Reduced false positives in alerting pipeline by 40% through Datadog SLO tuning and log enrichment
- Managed high-availability **MongoDB** clusters, optimizing backup retention and recovery times
- Integrated RBAC provisioning with **JIRA** workflows, cutting manual access review effort

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

- Automated multi-cloud infrastructure across **AWS** and **Azure** using **Terraform** and **Ansible**
- Conducted configuration drift checks and compliance audits; resolved 95% of high-priority findings

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

- Containerized and deployed 10+ internal services with **Docker**, managed via **Kubernetes**
- Created CI/CD pipelines in **GitLab** for automated testing, linting, and blue/green deployments
- Configured **Ingress controllers** and automated DNS updates using **ExternalDNS** with AWS Route53
- Built RPA bots to automate HR form processing, reducing manual effort by over 80 hours/month
- Authored **Process Design Documents (PDDs)** detailing architecture, flow, and exception handling

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

- Developed reusable **Ansible** roles for security hardening on **RHEL**-based systems within Nokia's Network Services Platform
- Built and validated automation scripts that reduced manual compliance setup time by 60%
- Participated in sprint planning and demo sessions; tracked work using internal **JIRA** workflows

PROJECTS

Home Lab Kubernetes Migration *Kubernetes, GitOps, Self-Hosted Infrastructure*

- Migrated home lab services including a **zero-trust VPN** and **custom DNS** to a **Kubernetes** cluster
- Built **Helm** charts, automated deployments with **Makefiles** and **GitHub Actions**
- Integrated **Prometheus** and **Grafana** for monitoring across the self-hosted stack

Reinforcement Learning Snake Game *Python, PyTorch, AI*

- Built a Deep Q-Learning agent to play a custom version of **Snake**, exploring RL fundamentals
- Tuned reward strategies and neural architecture to improve training outcomes
- Visualized performance through reward curves and in-game behavior

Project Soteria (Hackathon) *AI, Cybersecurity, Automation*

- Developed an AI-driven incident response tool to detect, analyze, and respond to simulated cyber threats in real-time
- Integrated security tooling and alert pipelines to trigger playbooks for common intrusion patterns

CERTIFICATIONS

CCNA 200-301 (Cisco Certified Network Associate)