Arrun Suthahararajah

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Summary

Highly skilled Telecommunication Infrastructure professional with 4+ years of experience in designing, building, and supporting IT systems. Proven track record of deploying & maintaining complex servers/networks in a fast-paced environment.

Skills

- 5GSA, 5GNSA, LTE, 3GPP, IMS Call flow
- Infrastructure Automation (Terraform, Ansible)
- Cloud Technologies (Google Cloud & VMware VPC)
- Network Architecture (Firewall, Load balancer, Routers, Switches)
- Virtualization (Google Cloud, VMware, Nutanix)
- Application/Web Servers (Nginx, HTML, CSS)
- Scripting (Python, Ansible, & Powershell)
- Operating Systems (Windows Server, RHEL)
- Infrastructure Management (Docker, Kubernetes)

Work Experience

Infrastructure Engineer, Rogers Communications, Brampton, ON   May 2022 – Present

- Directed planning, designing and upgrading compute portion of Wireless Private Networks
- Experienced knowledge in 5G, 5GNSA, EPC, 3G, IMS and SMS architecture and call flows
- Utilized Linux, Kubernetes, and associated tools and technologies in virtualized environment
- Expert on Hyper-Converged Infrastructure (HCI), Google Cloud, VMware, and Nutanix
- Utilized Ansible and Terraform to automate VM deployment workflows
- Experienced knowledge in RRU and BBU technologies
- Troubleshooted lab and production WPN deployments for system findings and enhancements
- Assisted in integrating RAN and EPC technologies

Infrastructure Engineer, Lumentum, Ottawa, ON   Sep. 2021 – April 2022

- Supported routine operations and problem resolution of network-related issues for:
  - Local area networks across different locations globally
  - Wide area networks that connect corporate and partner locations
  - The wireless infrastructure used by employees and guests
  - Firewalls and VPNs used between sites and by our end users
- Monitored and supported networking protocols across multi-region(DHCP, DNS, switching, routing, etc.)
- Expertise in core infrastructure services, including DNS, SMTP, and Active Directory
- Monitored the capacity of the network infrastructure through network utilization, QoS, IP allocation, port density, etc.
- Assisted in implementation of network monitoring system (PRTG)

Technical Support Engineer Intern, Verkada, San Mateo, CA   May 2021 – Aug. 2021

- Full-stack troubleshooting of the Verkada platform including, network, hardware, and software
- Provided best practice design and integration expertise to enterprise customers
- Collaborated with Engineering and Product teams to test new products and identify bugs
- Wrote technical knowledge base articles and whitepapers
- Experience leading and mentoring junior support engineers

Network Support Engineer Intern, Cisco Meraki, Chicago, IL   Sep. 2020 – Dec. 2020

- Diagnosed and troubleshooted wireless, security, switching, and other various network-related issues reported by Cisco Meraki customers and partners
- Collaborated with support team members to fix network outages and complex networking issues
- Worked with engineering and management to diagnose and resolve critical, escalated issues
- Effectively communicate with partners and customers regarding technical issues and customer service inquiries, both verbally and in writing

Teaching Assistant (CCNA,CCNP), Ontario Tech University, Oshawa, ON   Jan. 2021 – April 2022

- Mentored students on Advanced Networking I & II (CCNA/CCNP) curriculum
- Assisted with the grading of homework labs, section exams, and case studies
- Hosted office hours each week including email consultation

Projects/Certification

Google Associate Cloud Engineer, Google Cloud Certification   Oct. 2023

- Ability to deploy applications, monitors operations, and manages enterprise solutions
- Ability to perform platform-based tasks to maintain one or more deployed solutions
- Ensure successful operation of a cloud solution and maintain access/security

Capacity Utilization Automation, Rogers Communications, Brampton, ON   May 2023

- Assisted in generating peak rate and committed rate report for enterprise networks
- Created QOS peak rate report using Python
- Generated up to date capacity utilization report

Compute Automation, Rogers Communications, Brampton, ON   March 2023

- Created and designed orchestration method for VM deployment using Ansible, Python, HTML, CSS
- Reduced WPN compute deployment time by 70% and saved costs up to $10,000+
- Provided an user friendly webpage for Operations to use (HTML,CSS)

Cisco ISE Migration, Lumentum, Ottawa, ON   Feb. 2022

- Created a detailed plan and documentation of the migration procedure
- Designed and deployed ISE servers with up to date failover procedures
- Migrated the employee authentication servers with zero downtime

Palo Alto Firewall Patch Automation, Lumentum, Ottawa, ON   Oct. 2021

- Created a python script to automate firewall update process
- Utilized API and secret keys to target each end devices
- Reduced 3 hour patch process into 5 minutes

Education

Bachelor's in Information Technology, Networking and Information Technology Security with Distinction
Ontario Tech University, Oshawa, ON