

PUSPATHEEPAN ARULANANTHAM

375, Bleecker Street, Toronto, ON, Canada, M4X 1M3 | 416-833-9214 | puspatheepana@gmail.com | [Git](#)

Profile

A quick learner and enthusiastic in **Cloud** and **System** Engineering with a demonstrated history of working in the core network and signaling products in the **Telecommunications** industry. Further, I am passionate about learning the latest technologies to leverage my skills. I am looking forward to acquiring skills in the new technology space.

Skills

- Kubernetes (CKA) microservices architectures/ Docker/ Containerization
 - Linux systems (Red Hat / CentOS)
 - Terraform / Ansible
 - AWS (Cloud computing)
 - Python / Bash
 - OpenStack (Telco Cloud)
 - Systems/applications monitoring tools/dashboards (Nagios / Prometheus / Grafana)
 - Telecommunication technologies (5G, 4G EPC, 3G, SMSC, USSD)
 - Wireshark
 - IP networking protocols (SIP, SCTP)
 - Virtualization (NFV / Digital Transformation)
 - GitHub (CI/CD)
 - Problem-solving, Communication, Teamwork, and Excellent time management skills.
-

Experience

System Engineer – Implementation/ Service Delivery (VAS) | hSenid Mobile Solutions.

December 2022 - November 2021

- Managed deployment architecture for mission-critical applications and platform integration in customers' **OpenStack** cloud production environments, achieving 99.9% reliability and scalability.
 - Designed and executed complex platform deployments, configurations, upgrades, and migrations of high-availability Red Hat Operating Systems, ensuring 100% adherence to industry standards and regulatory requirements.
 - Adhere to **DevOps** practices & automation using **Bash and Python scripting**, reducing deployment times by 30%.
 - Implemented **Nagios/Grafana** monitoring tools, achieving 100% error detection and alerting any malfunction in production.
 - Performed User acceptance test, **MOP**, and RCA. Developed technical documentation and reports.
 - Carried out E2E troubleshooting systems issues, resolving 95% of incidents within the first 3 hours using analytical skills in **Linux, IP**, and **Wireshark**.
 - Led technical training sessions for peers, conducting at least 10 quarterly sessions to improve knowledge management within the team and with customers.
 - Configured TCP/IP routing and system/server networking, successfully tested and validated 100% of network configurations.
 - Applied system fixes, practices, and preventive actions using **Ansible** and **Terraform**, decreasing system downtime by 40%.
 - Worked closely with cross-functional teams and clients, such as Product development and QA for solutions.
-

Projects

Self-Managed Projects | Cloud – Terraform Projects [GitHub](#).

- Designed and implemented a wide range of cloud computing architecture concepts in the Cloud using Terraform, including web application, cross-regional load balancing, virtual WAN, etc.
- Accomplished AWS cloud resume challenge with fully automated GitHub action (CICD) and terraform.
- Worked on Cloud technologies such as Kubernetes and OpenStack.
- Network programming and coding projects.

Education

LAMBTON COLLEGE IN TORONTO | AUGUST 2024.

Post-graduate Diploma in Advanced Project Management in Information Technology.

SRI LANKA TECHNOLOGICAL CAMPUS (SLTC), COLOMBO/ SRI LANKA | 2021.

Bachelor's degree, with a BSc in Electronics and Telecommunication Engineering.

- GPA: 3.03 / 4.00 (Second class)

Certifications

CKA: Certified Kubernetes Administrator ([Link](#))

Issued by The Linux Foundation

- Demonstrated expertise in Kubernetes administration, including K8s cluster design and orchestration.
- Proficient in Application Lifecycle Management, installation, configuration, core concepts, networking, scheduling, security, cluster maintenance, logging/monitoring, storage, and troubleshooting.

OpenStack and NFV (TelcoCloud) ([Link](#))

Udemy

- In-depth understanding of OpenStack architecture, components, and cloud computing concepts.
- Excellent Hands-On experience with all the OpenStack and NFV components.
- Excellent understanding and decoupling of TelcoCloud components. Journey of a legacy Telco node from a proprietary machine to a Virtual network function VNF.
- Advanced networking topics like **OVS, DPDK, and SR-IOV**.
- **Capacity planning for cloud infrastructure**, cloud operational best practices, and Deep dive into OpenStack networking concepts.

Intel® Network Academy - Network Transformation 101,

Intel® Network Academy - Network Transformation 102

Intel Network Academy on Coursera

- An inclusive training program on network transformation that covers the topics of software-defined infrastructure (SDI), **Network functions virtualization NFV, Software defined networking (SDN)**, VNF Operations, and development, Cryptography, and Hyperscan technology.

Network Function Virtualization ([Link](#))

Georgia Institute of Technology on Coursera

- Course covers Network Function Virtualization from the perspective of a system engineer.

Cloud Engineering with Google Cloud Professional Certificate (GCP Certification) ([Link](#))

Google Cloud training

- Google Cloud platform, Datastore, Cloud storage, and debugging.

5G, 4G- LTE, 3G, 2G Cellular Mobile Communications - Wireless ([Link](#))

Udemy

- Proficient with wireless generations.
- Deep understanding of IMS, VoIP, and VoLTE
- IMS network topology and interfaces.