

# PUSPATHEEPAN ARULANANTHAM

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## System/DevOps Engineer

CKA | Linux | AWS | Terraform | OpenStack

## SUMMARY

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 microservices
- Linux (RedHat/Ubuntu)
- Terraform/Ansible
- AWS
- GitHub CI/CD
- OpenStack (TelcoCloud)
- Python/Bash
- Telco Technologies (5G, 4G EPC, 3G, SMSC, USSD)
- Nagios/ Prometheus/ Grafana
- WireShark
- Virtualization (NFV)
- Docker/ Containerization

## PROJECTS

### Self-Managed Projects

- Accomplished AWS cloud resume challenge with GitHub action (CICD) and terraform automation ([Link](#)).
- Advanced E2E DevOps Kubernetes Project on AWS EKS cluster using various technologies such as Jenkins etc. ([Link](#))
- Designed and implemented a wide range of cloud computing architecture concepts in AWS using Terraform, including web application, cross-regional load balancing, virtual WAN, etc.
- Implemented Cloud technologies such as Kubernetes and OpenStack.

## EDUCATION

### SLTC Research University

Bachelor's Degree in Electronics and Telecommunications Engineering  
2016 - 2021

### Lambton College

Postgraduate in Advanced Project Management in IT  
August 2024

## PROFESSIONAL EXPERIENCE

### System/ DevOps Engineer - Implementations

hSenid Mobile Solutions | 2021 - 2022

- 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 applications, ensuring 100% adherence to industry standards and regulatory requirements.
- Designed and Automated Infrastructure as Code for test development. As part of implementation, we used **Terraform** and **Ansible** to automate the process of spinning up and teardown of clusters. Which helped us saving time by 30%.
- Adhere to **DevOps** practices & automation scripting using **Bash** and **Python**, reducing deployment times by 30%.
- Implemented **Nagios/Grafana** monitoring, Observability tools and web applications in a **Kubernetes cluster**, 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**.
- Configured TCP/IP routing and system networking, successfully tested and validated 100% of network configurations.
- Worked closely with cross-functional teams and clients, such as Product development and QA for solutions.

## CERTIFICATIONS

- CKA: Certified Kubernetes Administrator ([Link](#)) Issued by The Linux Foundation.
- OpenStack and NFV (TelcoCloud).
- Intel® Network Academy - Network Transformation 101, Intel® Network Academy - Network Transformation 102.
- Network Function Virtualization.
- Cloud Engineering with Google Cloud Professional Certificate (GCP Certification ).
- 5G, 4G- LTE, 3G, 2G Cellular Mobile Communications - Wireless.