

# Ankeit Taksh

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## Summary:

A Linux Engineer with 14+ years of experience in the DevOps and SRE field. My work revolves around on-prem, cloud, and hybrid infrastructure with new projects and their operations. It includes hardware, low-latency high-performance systems, networking, documentation, and info-sec aspects.

## Education:

**National University of Singapore** M.Tech 2019 - 2021

**Dr MGR University** B.Tech 2004 - 2008

## Certifications:

Redhat Certified Engineer

Certified Kubernetes Administrator (CKA)

Azure DevOps Expert

Redhat OpenShift Specialist

## Professional experience:

**Senior DevOps Engineer**    **Telepathy Labs.AI, Singapore, Oct 2021 - current**

**TechStack:** Linux, Kubernetes, AWS, Bash, Terraform, Jenkins, TeamCity, ArgoCD, RDS, EKS, ECS Route53, S3, DataDog, Grafana, SOC, VPC, HELM

- Escalation Lead for operational incidents and responsible for the implementation of new projects.
- Tune in Linux distros and ensure SOC compliance and hardening is met.
- Ensure High availability design and Disaster recovery is in place while ensuring the least downtime.
- Key Projects:
  - Project Stella Automotive: Host ML-based solution on AWS using EKS, ECS and other AWS resources
  - Migrate CI/CD pipelines: Setup entire project via HELM and Argocd

**Senior DevOps Engineer**    **Biqmind, Singapore, Oct 2019 - Oct-2021**

**Techstack:** Ubuntu, Centos, RHEL, Azure, AWS, Digital Ocean, Ansible, HELM, GOCD, GITOPS, Linux, OpenShift, OKD, Kubernetes, Docker, Prometheus, Grafana, Dell Rack, Dell Storage, Shell script, Python, KVM, AIML

- Lead and mentor a closely knit team of DevOps and SRE professionals, implementing new DevOps and SRE solutions to shape client experience.
- Develop, support, and administer business-critical infrastructure, blending engineering and operational responsibilities.

- Active trainer for Microsoft Azure Kubernetes and OpenShift, as well as content creator of workshops. Innovate integrated solutions for client applications and train resources.
- Key Projects:
  - Project for Rapiscan: Migrated ML solution from monolithic to Kubernetes-based microservices across multiple airports.
  - OpenShift and datacentre migration: Moved Biqmind from Jakarta to Singapore with storage and network hardware.
  - CI/CD pipelines: Enhanced productivity by 2 hours per developer per day for LanternEdge Dev and HW team.
  - In-house Virtualization platform: Designed using Ovirt and Redhat Enterprise Virtualization.

## **Technical Lead                      SGX, Singapore (Contract) — Mar 2016 - Jul 2019**

**Techstack:** RHEL, AWS, Ansible, Linux, OpenShift, Kubernetes, Docker, Grafana, HP servers, Dell Rack, Storage, Shell script, Python, Veritas, HP tools, Atlassian

- Delivered architectural and practical cloud and infra solutions to improve CI/CD, resiliency, efficiency, performance, and cost-saving.
- Monitored and reported on service level objectives to stakeholders, working with business and product owners for project design.
- Capacity planning and management, creating and maintaining a capacity model for on-prem and AWS hosting based on user flow profiles.
- Led engineering projects for DevOps, SRE, and DC infrastructure, including release systems, CI/CD workflows, and datacentre infrastructure.
- Mentored SRE teams for production control, delivered projects from a technical perspective to go-live, and implemented automated provisioning and configuration management.
- Key Projects:
  - SGX-TITAN: Led a derivatives trading project, building an ultra low latency, high-resiliency infrastructure.
  - SGX-OpenShift: Setup a 27-node multi-cluster for critical applications involving DevOps, Jenkins, Kubernetes, Docker, Ansible, OCP.
  - SGX Clearing Engine: Implemented a high-resiliency, application HA solution with 20 nodes using Veritas clusters.

## **Technical Lead                      Maybank, Singapore (Contract) — Jul 2019 - Nov 2019**

- Accountable for in-house platform engineering, delivering scalable and disaster-resilient solutions.
- Analyzed new solutions for infrastructure upgrades, developed architectural and implementation plans, primarily based on Redhat recipes.
- Key Points:
  - Led adoption of Cyber Security aligned with CI/CD practices.
  - Provided Kubernetes microservices infrastructure integrated with Cloud.
  - Participated in system design, capacity planning, and platform management.
  - Ensured Security and compliance for bank's trading platform.
  - Set up Redhat satellite for patching standards.

## **System Engineer**

**ANTlabs, Singapore — Jun 2015 - Feb 2016**

- Collaborated with a team of networking experts to build Networking gateways from bare metal.
- Maintained standard build practices and performed kernel and network-based systems tuning.
- Interfaced with project sponsoring groups to gather requirements and managed implementation and post-implementation project support.
- Monitored, evaluated, and resolved hardware and/or software-related performance issues.
- Utilized standard tools for provisioning, configuration management, and automation based on shell scripting.
- Key Project:
  - Lead implementation engineer for Etisalat WIFI project, covering Abu Dhabi and Dubai regions, serving users with Wifi offloading solution across 1000+ wifi points. Implemented high availability solution for seamless internet connection.
- Environment: Linux, Dell, HP servers, Networking Gateways, VLANs, Advanced Networking, Huawei Storage, Shell script, PHP, SQL

## **Tech Support Engineer**

**Altisource, India — Dec 2013 - Jan 2015**

- As a LINUX admin Provided day-to-day support for production Infrastructure and Applications.
- Proactively supported all applications, including database maintenance, logging, and monitoring.
- Documented, installed, and tested patches, ensured compliance with Group and ISO standards for applications and Infrastructure.
- Proactively identified and proposed infrastructure and applications improvements.
- Developed and maintained a knowledge base and documentation for security and support of Infrastructure and applications.

## **Sr Tech Executive**

**NTT DATA, India — Jul 2013 - Nov 2013**

- As a LINUX admin responsible for handling escalated incidents and High Availability environment incident management on UNIX Platform [LINUX, Solaris].
- Problem Management on UNIX platform. Perform Root Cause Analysis using quality tools.
- Change and incident management for application support.

## **Senior Analyst**

**HCL, India — Dec 2009 - Jun 2013**

- Responsible for handling escalated incidents and High Availability environment incident management on UNIX Platform [HPUX, LINUX, Solaris].
- Problem Management on UNIX platform. Perform Root Cause Analysis.
- Change Management: Prepare Implementation, backout, and test plan for Change records.
- Perform risk and impact analysis for changes.

## **Tech Support Executive**

**Sutherland, India — Sep 2008 - Dec 2009**

- Engineer responsible for handling user issues for Microsoft Windows Vista and Dual OS Linux users.
- Resolve desktop and network support of all kinds for users.
- Handle Calls and voice support for multiple users for Vista patching Issue.