Ragavan B
Cloud Engineer

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PROFILE

- An accomplished engineer with 3+ years of experience as a Cloud Administrator, offering technical expertise in resolving day-to-day issues and fulfilling requirements.
- Currently working as a Senior Cloud Engineer with hands-on experience in designing, implementation, maintenance and operations support of cloud-based resources.
- Proficient in tasks including installation, configuration, upgrading / patching, migration and system administration of Linux and Windows servers.

SKILLS – Tools and Technologies

Programming languages: C++ Python, Shell scripting

Protocols:
HTTP/HTTPS, SNMP, FTP/SFTP, SSH, NTP, DNS, TCP/IP, UDP, DHCP

Operating Systems:
Oracle Linux, RHEL, Windows

Databases: Oracle DB, MySQL

Cloud Platforms:
AWS, OCI, GCP

AWS services:
EC2, EBS, S3, VPC, Load balancer, Lambda, Workspaces, RDS, SNS

Web Development:
HTML, CSS, JavaScript, AngularJS

Query Languages: SQL, PLSQL

Devops Tools:
Terraform, Podman, Git, Docker, Ansible

OCI services:
DBCS, ZFS, Compute, Network, Storage, Autonomous databases, DR

Ticketing Tools: ServiceNow, JIRA

Tools: WinSCP, Putty, Postman, Wireshark, VMware, Draw.io

PROFESSIONAL EXPERIENCE

LTIMindtree – Chennai, India
Senior Cloud Engineer - September 2021 – Present

- Created **Terraform scripts** and automated various tasks such as provisioning resources, monitoring, scaling, and managing deployments to maintain cloud infrastructure in an efficient way.
- Have hands-on experience on **creating user accounts in Linux servers**, managing groups and permissions. Provided **access to servers** with secure key/password-based authentication and maintaining server security.
- Worked on **DNS setup** in the Linux server and troubleshooted issues involving name resolution.
- Have hands-on experience in managing the **Windows Filesystems**, troubleshooting server's auto-reboot issues, RDP issues and applying cumulative patches and analyzing Event viewer and Task manager logs and fixing issues.
- Experienced in managing storage services like **Block volumes** expansions and resizing, mounting and usage of **file systems** and permissions, using **S3 storage/buckets** as mount points on the Windows and Linux servers.
- Worked on Linux system partitions using **LVM** - created Physical, logical volumes and groups thereby managing storage in an effective and optimized manner. Worked on volume expansion in Production servers partitioning to increase the disk space on the specific mountpoints.
- Have worked on the **SSL certificates setup and renewal** for the application load balancers, developed scripts to fetch files from the remote **SFTP server** in an incremental manner.
- Hands on experience in **Cloud Networking service** provisioned VCN's, subnets, involved in network level troubleshooting using telnet, dig and managing security groups and server firewalls.
- Provisioned **IP-Sec tunnel configuration setup** between customer On-Premises and the Cloud and completely managed the traffic and connections to the cloud resources in a secure way.
- Worked on analyzing **system performance** and enabled alerts on cloud servers for high CPU and RAM utilization and also checked on performance with the commands.
- Involved in **managing and applying the Linux patches**, bugs, security upgrades in the servers and worked on the kernel upgrades every month as part of the patching activity.
- Have implemented **NFS and Samba** shares for configuring printers in the customer network and adding them to the Linux servers.

- Improved the **Cloud Infrastructure Security** posture by implementing security best practices enabling Cloud Guard and reviewing the **IAM and MFA setup** for the cloud tenancy.
- Addressing **vulnerabilities** reported for Windows and Linux servers reported by the **Qualys scanner** and worked on the **remediation** at the earliest fixing the possible threats to the environment.
- Managing **ITSM process** Incident, Task, Problem on **Service Now** within SLAs and adhering to Change Advisory board principle for making infrastructural changes.

LTIMindtree – Chennai, India
Graduate Engineer Trainee – July 2021 – September 2021

- Received training on Oracle DBA, Web-logic, and Oracle Cloud Infrastructure.
- Trained and worked on Oracle APEX and PL/SQL development.

CERTIFICATIONS

- Certified Oracle Cloud Infrastructure Architect Associate 2023.
- Certified Oracle Cloud Infrastructure Foundations Associate 2023.
- Certified Oracle Cloud Infrastructure Multi-Cloud Architect Associate 2023.
- Certifications from Solo-learn on foundational courses in Python HTML and CSS.
- Linux, Git, Shell scripting and Dev-ops certifications from KodeKloud.

ACHIEVEMENTS

- Proactively worked on the cost optimization task for my customer cloud accounts saving 180k USD per year and received appreciation from client.
  "Ragavan, you have been a key player in OCI world and have demonstrated good learning curve. Appreciate your proactiveness and diligence in cost savings in OCI. Good work and keep it up."
- Managing and applying OS updates for Linux and Windows servers every month and received Extra miler award for the support provided on the weekends.
  "Appreciate the work done on the weekends. Also giving support urgent activities during the personal leaves."
- Selected in the top 100 teams on the global hackathon organized by LTI during 2021-2022.
  "Good work in OCI cost optimization and finding more opportunities"

INTERESTS

- Devops
- Automation
- Machine Learning and AI

EDUCATION

Bachelor of Engineering - Computer Science and Engineering
Madras Institute of Technology Campus, Anna University, Chennai
06/2017 - 06/2021   CGPA - 8.42/10