

 **Gaurav Tyagi**

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**PROFESSIONAL SYNOPSIS**

* Working as DevOps Engineer and have over **8 years** of varied IT experience in – Deploying **Linux Physical Server** Infrastructure, **DevOps** and **Cloud Computing** Service Delivery.
* Manage & deploy the Infrastructure configuration using **Ansible Configuration Tool**.
* Maintain the version control of **Infrastructure Code** by using **Git.**
* Manage the Task accountability through **Wrike** and **Service Now** tool.
* Proficient with container systems like **Docker** and container orchestration like **EC2 Container Service**, **Kubernetes**, worked with **Terraform/Cloud Formation.**
* Hands on experience in IT Operations following ITIL standards.
* Managing virtual servers using VCenter, Cloud Stack Dashboard.

**Technical Skills**

* Ability to measure everything and look to improve engineering productivity and quality through automation
* Solid knowledge of the following languages: Json, YML, Shell, Python.
* AWS services (EC2, S3, Route53, IAM, ELB, Direct Connect, VPC, Cloud Formation, VPC Peering).
* Version control systems: GitHub.
* Awareness of how scalable, enterprise-level software system is designed (both on code and infrastructure levels)
* Comfortable working closely with a team of smart, passionate people to creatively solve complex problems
* Ability to deployment on AWS, using build scripts (Boto 3 & AWS CLI) and automate solutions using Shell and Python scripts.
* Install, configure and troubleshoot Linux servers in test, development and production environment.
* Installing RHEL (5, 6, 7), OEL (6/7) and SLES (10/11) over Network and configuring server.
* Implementation of LINUX (RHEL, OEL and SUSE) systems upgrades, migrations, improvements, and tuning.
* Experienced of working in infrastructure containing more than 90,000 servers.
* Worked on KVM and Xen.

**Certifications**

* RHCSA & RHCE On RHEL6**(Feb, 2014)** – CERT ID: **140-034-745**
* Red Hat Certified Specialist in Ansible Automation **(Sep, 2017)** – CERT ID: **140-034-745**
* AWS Certified Solutions Architect – Associate **(Mar, 2019)**
* Red Hat Certified Specialist in OpenShift Administration **(Sep, 2019)** – CERT ID: **140-034-745**
* Certified Kubernetes Administrator **(Mar, 2020)** **–** Cert ID: **CKA-2000-006691-0100**
* Edureka Certified DevOps Engineer **(May, 2021)** **–** Cert ID: **T91FVP2B**

**Education**

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| **Qualification** | **School/Collage** | **Board/University** | **Year of Passing** |
| BCA | Integral University, Lucknow | Integral University | 2019 |
| Diploma in ITES&M | Ambedkar Polytechnic, Delhi | Board of Technical Education | 2012 |
| Intermediate | Jain Sr. Sec. School, Delhi | CBSE | 2009 |
| High School | Govt. boys Sr. Sec. School, Delhi | CBSE | 2006 |

**CAREER CONTOUR**

**Tata Consultancy Services (November 2017 to Present)**

**Client:** Apple Inc.

**Role - Linux & DevOps Engineer**

**Key Deliverables:**

* Creating the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration system for all our products**.**
* Setup and build AWS infrastructure various resources, VPC EC2, S3, IAM, EBS, Security Group through Cloud Formation and Terraform.
* **Kubernetes**is being used to orchestrate the deployment, scaling and management of **Docker** Containers**.**
* Building/Maintaining **Docker** container clusters managed by **Kubernetes Linux**, **Bash**, **GIT**, **Docker**, on **AWS**. Utilized **Kubernetes** and **Docker** for the runtime environment of the **CI** / **CD** system to build, test deploys.
* Worked on Amazon AWS EC2 cloud services for installing, configuring and Troubleshooting on various Amazon images like Amazon Linux AMI, Red hat 6.x, 7.x, Ubuntu 14.x, 15.x and CentOS 6.x, 7.x.
* Responsible for using AWS Console and AWS Command Line Interface for deploying and operating AWS services specifically VPC, EC2, S3, EBS, IAM, ELB, Cloud Formation and Direct Connect.
* Designing AWS VPC and its associated NACL/Subnet/Route/Networking Components.
* Key focus on defining and implementing a IAM strategy (Multi-factor auth, role based access control).
* Working on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMIs, Auto scaling to design cost effective, fault tolerant and highly available systems.
* Created featured, development and release branches in Github for different application to support releases and CI builds.
* System Administration - Including managing the trouble ticket queue, responding to proactive monitoring alerts, executing change controls, routine maintenance, performance monitoring, tuning, and system diagnostics.
* Using Ansible Playbooks for pushing configuration on multiple hosts.
* Interaction with 3rd party vendors, Client Teams and senior onsite Systems Engineers as necessary to optimally perform job responsibilities.
* Patch installation and management, Package Management and troubleshooting for rpm and YUM.
* Managing configurations like sudoers and access.conf via GIT.
* User administration for local and LDAP users via Netgroups and Hostgroups.
* Troubleshooting issues related to CPU, memory, swap and file systems etc.
* Experience in working on KVM, Xen & VMWare.
* Experience in Physical host build using Cobbler server (PXE/Kickstart).
* Deploy Virtual Machines using clones, snapshot and templates.
* Performing kernel and firmware upgrade.
* Documenting KB articles & providing KT to new resources.

**HCL Technologies Pvt. Ltd (February 2016 to November 2017)**

**Client:** Johnson & Johnson

**Role: - Linux & DevOps Engineer**

**Key Deliverables:**

* Handling 10000+ Remote Linux nodes from central control node through Ansible Configuration management tools.
* Worked on AWS (Including EC2, S3, VPC and IAM) focusing on high-availability, fault tolerance, and autoscaling.
* Install and configure Ansible server/workstation and nodes via CLI tools to AWS nodes.
* Increasing EBS backed volume storage capacity when the root volume is full using AWS EBS Volume feature.
* Responsibilities to solve technical Problems related System administration. Handling the day-today Operations, install packages, manage file systems monitoring performance and troubleshoot alerts.
* Installing, configuring and maintaining Operating Systems, Application Software.
* Build virtual and physical Server as per provisioning work order.
* Validating the change management as per the activity requirement
* Promptly resolved Netcool/SCOM generated alert & user query and closed INC with in SLA.
* Accountable for User Management of AD and local users.
* Responsible for Disk Management and Hardware replacement
* Instrumental in Linux Server Configurations: NFS, NTP, FTP, TELNET, SSH
* Maintaining HP Service Guard cluster.
* Patching and upgrading kernel in RedHat and SUSE.
* Responsible to Schedule Server Patch (Production and Non-Production Servers)
* Finding Root Cause Analysis for issues during upgrade.
* Providing technical training on the solution to the new employees.

**Computer Sciences Corporation Pvt. Ltd.** **(July 2012 to February 2016)**

**Client:** Telenor and CPA Global

**Role: - Linux Admin**

**Key Deliverables:**

* Monitoring CPU, Memory, Disk usages, running Process by using necessary commands.
* Creating file systems, disk partitioning and Logical Volumes.
* User Management on Linux server and ECM Application as well.
* Escalation and notification of critical Incidents within the defined SLAs.
* Configuring NFS, Disk partitioning, Memory Management and User Management.
* Managing Symbolic link and scheduler activities using Crontab.
* Accountable for User Management of AD and local users.
* Responsible for Disk Management and Hardware replacement
* Instrumental in Linux Server Configurations: NFS, SFTP, SSH Key based Authentication.
* Installing and Configuring Linux Server Virtual/Physical.
* Mining the daily logs from AIX servers using WinSCP Application.
* Perform Daily Health checks of Servers and respective applications hosted on them.
* Perform weekly scheduled Sanity check on the Production servers.
* Monitoring Server Hardware Health Status of the CPU processors, Memory, Fans, Temperature.
* Validating the Change management as per requirement
* Monitoring the resource utilization of servers both Windows and UNIX based systems.
* Job monitoring and re-triggering on MSSQL server Management Studio.

**Personal Details**

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| **Address** | A-249, New Ashok Nagar, New Delhi-110096 |
| **Date of Birth** | 01st June, 1991 |
| **Gender** | Male |
| **Languages Known** | Hindi and English |
| **Nationality** | Indian |
| **Leisure Interests** | Like to play Badminton, Cricket, pool and Listen to Music. |

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| **Place:**  |  **Date:**  | **(Gaurav Tyagi)** |