ASIF AKHTAR

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PROFESSIONAL SUMMARY

A generalist Site Reliability Engineer with almost 5+ years of Experience in IT. Practice DevOps and applies strong technical, functional and analytical skills. Joined TCS as fresher and current working as a role of SRE

SKILLS

- Agile
- Stash/Git
- Docker
- Linux
- ELK
- Splunk
- Prometheus/Grafana
- OpenShift (Kubernetes)
- Configuration Management
- Consul/Vault
- Postman
- Tickr
- Jira
- Ansible/Terraform
- Rally SDLC
- Micro-Services
- API
- Shell Scripting

WORK HISTORY

Bangalore // Site Reliability Engineer @AMEX | Tata Consultancy Services Limited - Bengaluru, KA

02/2019 - Current

- Experienced in working on DevOps/Agile operations process and tools area (Build and Release Automation, Environment, Service, Incident, Change Management.) Performing Operation like Fork, clone, Pull, Push etc for source code management. raising a Pull Request for merging it with Master branch in stash.
- Performing deployment of various micro-services code to various Environment via **XL-Release** tool Troubleshooting ELK Stack Cluster Issue like Cluster Unhealthy, Low disk space, Low number of Elasticsearch Nodes, Re-joining the left-over cluster
- Work on the traffic migration from one project to another project in **Open-Shift PaaS** platform through **Canary** deployment process using **postman** tool.
- **Open-Shift** pipeline build using build config, then creating pipeline and starting the pipeline using **OC create** and **OC start** command, **Cred API** and Env Custodian through **Jenkin job creation**.
- Working on on-boarding new services on consul by adding them to Network-config stash application.properties folder and then polling them to consul through Git2Consul
- Worked on **Secret** management tool like **Vault** Hashi Corp tool for token generation, policy Assignment and Path Permission assignment to the token of a particular subsystem under a PaaS project.

- Using **Consul** config management Hashi Corp tool to change Application.properties and System.properties to enable Pass-through and Throttling (Via Port) of traffic.
- Established 18 Node Cluster of ELK Stack which runs as a container in node VM Via stash repository and building the same via Jenkin.
- Performing various troubleshooting activities by investigating logs using Kibana and Splunk to find various heap size and java exception error, Database errors, **Kafka** topics errors encountered in an application, also using **tickr** tool for restart, scale up and down of pods, using **eCP console** to find pod logs.
- Creating and editing various **Replica Set** for various projects in **Kubernetes**, also performing various **Deployment** of **Replica Set** in K8.
- Creating various alerts in **Prometheus** and using it as datastore to represent Graphs on **Grafana**.
- Creating various dashboard in **Kibana** for the monitoring team to have a overlook.
- Defect Quality Reviews, Defect Lifecycle Monitoring, Defect Reporting, Cred API and Environment Custodian through Jenkin job creation Actively a part of weekly sprint and working as a part of Agile (**SAFe Agile**) Methodology, raising defects in rally for various microservices tools and communicate with app team for the same
- Also perform **Choas** testing using **DaRT** (Diagnostics and Recovery Tool-set) tool.

Bangalore // Devops Engineer @ AveryDennison | Tata Consultancy Services Limited - Bengaluru, KA   *07/2017 - 01/2019*

- Managed Git Workflows for Version control using **IntelliJ** Idea
- (**Source code Management**), troubleshooting issue with Git branch, Git merge conflict
- Installing, configuring and maintaining Jenkins for automated build and deployments, Configuring Jenkins with features like **Master/Slave Architect** for separation of load and backing up data
- Setting **Upstream/downstream Projects**, **Email/Editable** notification in Jenkins, **poll SCM**, Periodic Build.
- Installing Sonar-Qube Apache Tomcat in Windows severs/AWS Instance and integrating with Jenkins for code coverage and code quality
- Build and deployed Dockers containers for implementing Micro service Architecture from Monolithic Architecture, Customize Docker image creation, creating Docker Volume for backing up important Container data
- Installing Ansible on EC2 instance and using modules libraries like shell module, copy module, command module, file module, ping module for software installation, using Ansible as IaaC for patching activities on multiple servers. Also have knowledge of Terra-form
- Creating **Boot Strapping** with user-data on EC2 instance, also assign user permission via **IAM** in EC2 AMI's.

Bangalore // Linux System Engineer @AveryDennison | Tata Consultancy Services Limited - Bengaluru, KA   *01/2015 - 06/2017*

- Established new servers for Client as per CR

- Package management using **YUM /RPM**, performing troubleshooting through commands like Top, Topas, df -h, free -h etc **LVM** Creation and deletion (physical volume, Volume Group, logical volume and adding FS to LV and mounting it) **ACL-Access** Control List for particular file system for particular user
- **File system** creation extension, **Swap** memory creation and extension
- Configurations between servers so that **NFS/CIFS** mount points can be accessed
- Editing **n-proc** files for resource allocation of ID or application
- **Password less SSH** authentication between servers for particular user
- Granting Administrator access to users.
- Troubleshooting various java exception error for java applications
- (SUDO Access)
- Running OS backup on AIX servers through **Mksysb** Utility
- Preparing Capacity reports for rhel clusters and OVM using **lpar**-tool
- Automating task using **shell** scripting.

EDUCATION

The University of Burdwan (DBMV Collage) - Asansol, WB   *2013*
Bachelor of Computer Applications: Computer and Information Systems Security
GPA: 68.3