**Praphool Dhole**

**+1 786-631-7292**

[praphooldhole@gmail.com](mailto:praphooldhole@gmail.com)



|  |
| --- |
| **September 2016 – August 2017** |

**Capital One, McLean, VA**

**Devops engineer**

**Responsibilities:**

* Our team is to actively understand and support the application team’s development pipeline which has implemented using different **DevOps** tools like **Git, Maven, Jenkins** and **Chef**.
* Worked extensively on **Jenkins** CICD pipeline, supporting application teams & troubleshooting Jenkins issues, integrating application team Jenkins jobs in pipeline.
* Supporting application team with **Jenkins,** coordinating with Jenkins team to help resolve the issues.
* Developed **AMI** **rehydration** **CICD** pipeline, updating latest **AMI’s** in **Cloudformation** templates in Github.
* Build **Jenkins** job for **AWS** **AMI** rehydration’s alerts to be sent to application team’s slack channel.
* Developed **Pipeline** for build deployments on Dev/QA and Prod environments using **Jenkins** and auto scheduling automated deployments in non-working hours.
* Installed, configured and administered Jenkins as Continuous Integration Server on Linux machines.
* Involved in configuring and develop Continuous Integration (**Jenkins**) jobs for various Java/JavaScript applications to build, code coverage and perform security scanning on the Java code using **Maven**, **Sonar** and to find bugs and **Fortify** tool.
* Built **CICD pipeline** for application team, integrated scripts with framework tool, defined stages, defined upstream/downstream jobs in the pipeline, like **sonarQube** jobs, **Errata code** scan.
* Configured Jenkins to be able to communicate with **AWS**.
* Held weekly stand-up meetings for application teams, new requests , issue, & Jenkins support with **CICD** pipeline jobs.
* Configured **AWS EC2** Instances using **AMIs** and launched instances with requirements of specific applications
* Responsible using different **AWS cloud** services to identify the gaps in pipeline implementation and understand their cloud architecture and infrastructure requirements.
* Implemented POC **TICKstack**, installed them on local desktop had play around with telegraf, grafana, kapacitor & Influxdb to better understand the Influxdata’s product.
* Developed **AWS cloudformation template** for basic architecture of TICKstack, implemented Grafana datasource automation using sqlite3 through CFT(cloudformation template).
* Build **docker** **file** for InfluxDB , image and pushed it to enterprise dockyard.
* Implemented port forwarding for Influxdb, moving away from InfluxDB default port configuration as restrictions with in the organization.
* Pulling data from Elasticsearch server using telegraf, creating **Grafana** dashboard for the data in elasticsearch server.
* Standing up **TICK** stack environment, providing support and troubleshooting skill to teams.
* Active participation in team meetings about architecture discussion for the TICK stack environment.
* Improvised **Docker** Configuration in all the components of **TICK stack** & **Grafana,** built **Docker images** for **InfluxDB** using custom **Docker file** and pushed to **enterprise** **dockyard**, Created **docker network** for docker containers.
* Coordinating with **Influxdata** org to troubleshoot issues with the TICKstack product such as Grafana/kapacitor alerting, integration, backup & restore.
* Implemented workaround for Influxdb back up and restore in Dev/qa Prod environments, successful back up restore of billions of records with the least downtime possible.
* Implemented custom **AWS cloudwatch** alerts for multiple teams using TICK stack environment, monitor the environments to have stability.
* Triggered alerts in **Grafana** and **Kapacitor** both via slack/email displaying the dashboards at that specific mentioned threshold.
* Demo of Tick stack environment to application team’s to better understand the TICK environment and its advantages against **splunk.**
* Supporting teams to send data from **splunk** to **InfluxDB**, writing, refining/tuning queries in splunk to get the required set of data in **InfluxDB,** troubleshooting **splunk** issues, understanding the **splunk** queries.
* Conducting meeting with splunk team to understand the port configurations, & data from splunk to influxdb.
* Coordinating with application team, to make understand Grafana, dashboard creations, setting up variable, wildcard querying in Grafana.
* Implemented individual role access to application teams for TICKSTACK environment in production, provided role based access for **Grafana**.
* Implemented InfluxDB stress testing using influx stress tool and Grafana stress testing with **JMeter.**
* Expertise in Backup restore of Monitoring environment **TICK stack,** successfull back up of InfluxDB, Grafana, & Kapacitor in production environment, by giving the lowest downtime for each component.
* Supported application team in sending data to influxdb in Production environment, created Dahsboards in Grafana all with in 30 minuntes in production environment.
* Managed Ansible Playbooks with Ansible roles. Used file module in Ansible playbook to copy and remove files on remote systems
* Implemented and designed AWS EC2 by Ansible roles to ensure deployment of web applications.
* Created **EBS volumes & snapshots** using it as an alternative backup during **ami rehydration**.
* Configured **Elastic Load Balancers** with **EC2** **Auto scaling groups**.
* Presented a demo to the team on **AWS Cloudfront,** andhow it can be used withstatic and dynamic content.
* Provide Integrated production support for both Cloud and On-Premise applications.
* Work closely with Project Managers to understand a code/configuration release scope and how to confirm a release was successful.
* Worked on **Blue-Green** architecture in Non-Prod and Prod environments.
* Implemented active-active architecture in AWS East and West. Performed S3 sync operations, routed traffic from live stack to release stack.
* Held responsible to man a production release call at regular intervals.
* Automating deployments using Ansible, Chef scripting and creating infrastructure using Terraform and AWS.
* Actively used **Splunk**, AppDynamics dashboards for monitoring the infrastructure and application.
* Managed **Chef** Cookbooks and **Cloud Formation templates (CFT)** to automate system operations.
* Analyze and resolve conflicts related to merging of source code for **GIT,** generated **SSH deploy keys** for communication between **Github** and **Jenkins**.
* Used different AWS Cloud resources and its features which includes **Cloud Formation**, **EC2**, **ELB**, **EBS**, **AMI**, **Cloud Watch**, **Cloud Front** and **S3** bucket.
* Knowledge in creating Buckets in **AWS** and stored files. Enabled **Versioning** and (**CORS**) Cross region replication and security for the files stored.
* Troubleshooting applications deployed on EC2 instances, using **AWS Cloudtrial** to check the latest activity on the EC2 instance.
* Worked on the third-party webservers like **tomcat** and **nginx** for the load balancer configuration using both **ELB** and **ALB** using **AWS cloud**.
* Experienced using different log monitoring tools like **Splunk**, **ELK** and **logstash** to see the logs information also, part of a logging team, used **Grafana** and ELK to create **Grafana dashboards** for Dev Operation teams to be able to get metrics and monitor sites.
* Implemented POC for **Kibana**, & **Elasticsearch,** installed them on EC2 instance integrated elasticsearch with kibana, pushed dummy data on elasticsearch, and indexing on kibana.
* Used **Jira** as ticket tracking and work flow tool.
* Responsible to gather requirements to implement stories and tasks for our support team.
* Responsibilities include designing and developing new back-end services, maintaining and expanding our AWS infrastructure, and providing mentorship to others on my team.
* Organized daily stand-up post-deployment meeting to review all issues being tracked. Ensure every issue has an owner and that it is resolved while capturing the specific details about the issue, resolution, and which organizations and individuals provided the resolution

**ICICI Bank LTD, Gachibowli, Hyderabad**

|  |
| --- |
| **August 2012– October 2014** |

**Build and release engineer**

**Responsibilities :**

* Installed, upgraded and configured **Red Hat Enterprise Linux 4/5/6.**
* Configuration and administration of **DNS, LDAP, NFS, NIS and NIS+ on Red Hat Linux**.
* Hands on experience working with production servers at multiple data centers.
* Used **Ant** Scripts to automate the build process.
* Implemented cloud services **AWS** such as EC2, S3.
* Setting up **Ant** and **Maven** scripts for **JAVA** and **J2EE** Builds.
* Troubleshooting production servers and configuring standalone production server for testing.
* Configured **yum repository** server for installing packages from a centralized server.
* Created local repository to connect **Linux server to RHEL** site for downloading packages and patches.
* Created local repository in **yum.repos.d** to run packages using yum, rpm and up2date.
* Configured and managed **SELinux (Linux Firewalls)** and allowed appropriate ports with help of iptables.
* Installed and configured **DCHP server** in Linux to give IP leases to production servers.
* Management of **Red Hat Linux** user accounts, groups, directories and file permissions.
* Configured, managed **ESX VM's** with **virtual centre and VI client**.
* Used **Perl/Shell** to automate build and deployment Process.
* Performed Kernel tuning with the sysctl and installed packages with yum and rpm.
* Performed Disk management with the help of **LVM (Logical Volume Manager).**
* Configuration and Administration of **Apache Web Server and SSL**.
* Password-less setup and agent-forwarding done for **SSH** login using ssh-keygen tool.
* Established and maintained network users, user environment, directories, and security.
* Documented testing procedures and steps involved in data migration on production servers.
* Provided 24/7 on call support on **Linux** Production Servers. Responsible for maintaining security on Red Hat Linux.

**Environment:** RHEL 4/5, perl/shell, AWS, nginx, Ansible CentOS 4/5, Fedora 9/10/11(beta), Ubuntu 8.10/9.04 Server, Debian SID, Vmware ESX, Veritas File System, Veritas Cluster Server, Dell Power Edge 2400, 2450.

**EDUCATION**: Masters in Information technology,

Atlantis University,Miami, FL, August 2016.

**Skillset**: AWS, Jenkins, Git, TICKStack, Jira, Docker, Linux, python,groovy, shell.

**Programming language: S**hell, Python, Groovy

**CICD tool:** Jenkins, ansible, chef

**Databases:** InfluxDB, Nosql,Mysql

**Version Control system:** GIT

**Ticket Tracking tool:** Jira

**AWS Certified Solutions Architect.**