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Description automatically generated**Teja Tamma**

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**PROFESSIONAL SUMMARY:**

* Around 9 Years of IT industry experience as Linux/Unix Systems Administration, GCP/AWS/Azure Cloud Engineer, DevOps automation Engineer. Worked extensively in many technical roles in Linux and Windows environments. Capable of quickly learning and delivering solutions as an individual and in a team
* Expertise in improving build, deployment tools in DevOps through automation using scripting languages such as JavaScript, Shell, Bash, Perl, JSON, Ruby, and Python etc.
* Exposure to Code Quality Analysis Techniques like Check styles, Find Bugs, PMD with CI tools like Hudson/Jenkins.
* Working on AWS Cloud IaaS platform with features EC2, VPC, ELB, Auto-Scaling, Security Groups, Route53, IAM, EBS, AMI, RDS, S3, SNS, SQS, CloudWatch, CloudFormation, CloudFront, and Direct Connect.
* Worked on GCP services like GKE, GCR, IAM, auto scaling groups, networking, API Services, cloud storage.
* Worked on Azure services like, IIS, Azure Active Directory (AD), Azure Resource Manager (ARM), Azure Storage, Blob Storage, Azure VMs, SQL Database, Azure Functions, Azure Service Fabric, Azure Monitor, and Azure Service Bus, Azure DataBricks, Azure Site Recovery, Front Door, CDN, Azure PAAS, Azure SAAS components.
* Experienced with Jenkins as Continuous Integration / Continuous Deployment Tool.
* Extensive experience in setting up the CI/CD pipelines using Jenkins, Maven, Nexus, GitHub, CHEF, Terraform and AWS.
* Worked on GKE topology diagram, including masters, slave, RBAC, helm, kubectl, ingress controllers GKE diagram.
* Completed projects, VPCs sub networks GKE clusters for environments QA3 and QA9 and prod using terraform created projects, VPCs sub networks GKE clusters for environments.
* Automated resulting scripts and workflow using Apache airflow and shell scripting to ensure daily execution in production.
* Designed library for emailing executor reports from rest API using python, Kubernetes, git, AWS code Build, and airflow.
* Experience in DynamoDB installation, patching, troubleshooting performing, tracking/tuning, back-up and recovery in dynamic environments.
* Experienced in writing Lambda functions to automate the tasks on AWS using CloudWatch triggers S3 events as well as DynamoDB streams.
* Implemented Greengrass bills on top of AWS IOT and AWS lambda for creating serverless compute service and written lambda code that can run right on the IOT device.
* Experienced with Web/Enterprise Application Deployment Technology specifically including Windows, Linux/Solaris, Apache, Tomcat, Jboss, WebLogic, DynamoDB.
* Created Ansible playbooks for installation Nginx, Apache tomcat webservers, Dynamo DB server and word Press.
* Worked on setting up datadog monitoring across different servers and AWS, Azure and GCP.
* Created system alerts using various datadog tools and alerted application teams based on the escalation metrics.
* Worked on integrating datadog, Splunk dashboards with AWS.
* Worked on the Deployment, Configuration, Monitoring and Maintenance of OpenShift Container Platform.
* Expertise in migration and up gradation of WebLogic Server and updating JDK versions, applying patches and installing service packs for WebLogic server.
* Experience in working with container-based deployments using Docker, Docker images, Docker file, Docker Hub, Docker Compose and Docker registries.
* Handled large volumes of container clusters with Docker swarm, Kubernetes.
* Excellent working knowledge in finding Memory Leaks and adjusting JVM Heap Size and Garbage Collector parameters during performance monitoring and performance tuning of WebLogic serve.
* Extensive experience on configuration and OS installation through network and standalone
* Expertise in Installation techniques and installing third party software and services.
* On-board new applications into Dynatrace, profile configuration, agent setup, instrumentation.
* Plan, coordinate, and implement timely upgrade to Dynatrace system.
* Experience in handling tasks in Red Hat Linux including RPMS using YUM and LVM file system.
* Experienced in installation, configuration, usage, and management on AWS (Amazon Web Services), Jenkins and GIT for application server.

**Technical Skills**

Operating Systems : Linux, WINDOWS, UNIX.

Databases : MySQL, Oracle.

CM Tools : Ansible, Chef. Puppet.

Web/Application Servers : Tomcat, JBoss, WebSphere, WebLogic.

Build Tools : ANT, MAVEN.

CI Tools : Jenkins, Azure Devops, Google cloud Builds.

SCM Tools : GIT and Subversion

Bug Reporting Tools : JIRA, Rally,

System Monitoring Tools : Splunk, Nagios, CloudWatch.

Methodologies : Agile/Scrum, Waterfall.

Cloud : AWS, Azure, GCP.

**EDUCATION DETAILS**

Bachelors in computer science, K L University, India 2014.

Masters in computers and information systems, New England College, Henniker, NH. 2017

**PROFESSIONAL EXPERIENCE**

**Google, Mountain view, CA August 2021 to present.**

**Sr Cloud/ Devops engineer**

**Responsibilities:**

* Worked on Continuous Delivery project, streamlining Dev workflow, integrating automated QE validation, and delivering standardized releases based on Docker to Operations for deployment.
* Virtualized the servers using the Docker for the test environments and dev-environments needs. And configuration automation using Docker containers. Implementing Docker based containers maintaining Micro services using Docker.
* Worked on integrating multi cloud platforms GCP, AWS, AZURE with the cloud gaming Projects. Designed and maintained the infrastructure for multi cloud.
* Migrated Linux virtual machines from one V center to other soft layer project prototype CI/CDs system with GitLab on GKE utilizing Kubernetes and docker for the runtime environment for the CICD systems, to build and test and deploy.
* Worked on setting up the monitoring tools like Grafana, Prometheus, Data Dog for alerting system.
* Used Kubernetes as an open-source platform for automating deployment, scaling, and operations of applications containers across clusters of hosts, providing container centric infrastructure.
* Developed startup and shutdown scripts for the WebLogic servers. Experienced in deployment of applications on Apache webserver, Nginx, and application server such as Tomcat, Jboss.
* Managed Kubernetes charts using Helm, and Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and managed releases of Helm packages.
* Involved in the functional usage and deployment of applications in Web Logic, Web Sphere, IIS and Apache Tomcat Server. Experience in using Tomcat and Apache web servers for deployments and for hosting tools.
* Developed ruby/python scripts to monitor the health of DynamoDB databases and perform ad-hoc backups using mango dump and mango restore.
* Prototype CI/CD system with GitLab on GKE utilizing kubernetes helm and Docker for the runtime environment for the CI/CD systems to build and test and deploy.
* Managed OpenShift master, nodes with upgrades, decommission them from active participation by evacuating the nodes and upgrading them.
* Automate provisioning and repetitive tasks using Terraform and Python, Docker container, Service Orchestration.
* Automate Datadog Dashboards with the stack through Terraform Scripts. Written terraform scripts for automating the provisioning process for cloud gaming.
* Used Kubernetes to manage containerized applications using its nodes, Config Maps, selector, Services and deployed application containers as Pods.
* Setup NFS servers as OpenShift storage backend and configured various storage claims for developers.
* Used Ansible as an automation engine for cloud provisioning, configuration management, application deployment, intra service orchestration, multi-tier deployments and other needs, Provisioned load balancer, auto-scaling group and launch configuration for micro-services using Ansible.
* Maintained high availability clustered and standalone server environments and refined automation components with scripting and configuration management using Ansible.
* Create develop and test environments of different applications by provisioning Kubernetes clusters on google cloud using Docker, Ansible, and Terraform.
* Created Docker containers leveraging existing Linux Containers and AMIs in addition to creating Docker containers. To achieve Continuous Delivery (CD) goal in a highly scalable environment, used Docker coupled with load balancing tool Nginx 1.5.9.

**Environment:** Linux, Windows, Kickstart, Jumpstart, Bitbucket, Chef, SSH, SNS, IAM, SVN, Git, GitHub, Ansible, Docker, Kubernetes.

**MRO Corp PA (public Health) May ‘2020 - August ‘2020**

**DevOps Cloud engineer**

**Responsibilities:**

* Work with application teams to identify necessary Azure resources and automate their provisioning using ARM Templates, PowerShell and Terraform scripts.
* Implemented automation for deployments by using YAML scripts for massive builds and releases
* Worked with Terraform Templates to automate the Azure Iaas virtual machines using terraform modules and deployed virtual machine scale sets in production environment.
* Managed Azure Infrastructure Azure Web Roles, Worker Roles, VM Role, Azure SQL, Azure Storage, Azure AD Licenses, Virtual Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Azure Portal.
* Integrated Stratum Code with Azure DevOps for CI-CD pipelines.
* Written Templates for Azure Infrastructure as code using Terraform to build staging and production environments. Integrated Azure Log Analytics with Azure VMs for monitoring the log files, store them and track metrics and used Terraform as a tool, Managed different infrastructure resources Cloud, VMware, and Docker containers.
* Worked with Agile methodology in CI/CD automation from scratch, Docker and deployed them using terraform.
* Created and updated the Front door profiles with backend pools.
* Created Azure DataBricks and Data Factory using both ARM Templates and via Portal.
* Created Elastic search and signalR
* Configuration of activity alerts for sensitive actions for subscription and various cloud resources.
* Setup Alerts in Log Analytics Based on threat modeling for critical, alert worthy conditions.
* Modify the application config files using JSON variables and substitute the config file secrets with Azure Key Vault secrets.
* Deploying windows Kubernetes (K8s) cluster with Azure Container Service (ACS) from Azure CLI and Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test and Octopus Deploy.
* Setting up monitoring tool like Grafana using Prometheus as backend, which will help in monitoring different tools like Kafka, Kubernetes etc.
* Oracle DB, PostgreSQL, MSSQL DB migrations from on-prem to Azure cloud with high-availability (DR concept)
* Azure key-vault is setup to store secret and sensitive information.
* Azure DevOps setup to create release pipeline for deployment automation.
* Experience in migrating on premises to Windows Azure and build Azure Disaster Recovery Environment and Azure backups from scratch using PowerShell script.
* Conducted Dry-Rus for fool-proof of execution of customized scripts before deploying to Production environment.
* Conducted DR exercise for APIM, Kubernetes, Cosmos DB for fail-Over test scenarios.
* Creating Azure Function App using Python (OOP concepts)
* Setup Hybrid connections between Azure cloud resources and on-premises SQL databases.
* Developed scripts using Python, PowerShell, Shell scripting to automate.
* Automated the process of installation, configuration of the Azure Resources using Azure Power Shell scripts.
* Automated App service using container registry resource and Docker file.
* Worked on Azure Dashboard to check the respective tasks on application Migration and maintaining the whole status of the Migration of each application.

**Environment:** Git, GITHUB, Maven, Jenkins, AWS, Ansible, Docker, Kubernetes, terraform, Linux, VMware,

**Softer Ware INC, Fort Washington, PA June ‘2019 – April ‘2020**

**Cloud engineer**

**Responsibilities:**

* Setup and build AWS infrastructure Development and Operations involving various AWS Cloud resources VPC, EC2, S3, IAM, EBS, ELB, EBS, SES, Security Group, Auto Scaling, Elastic Cache, CloudFront, CloudWatch, SNS and RDS in Cloud Formation JSON templates.
* Responsible for management of complex CI/CD environments having GIT, Jenkins, Docker, AWS & Ansible for multiple development teams.
* Automated Release processes by Defining release process and automating most of the release activities using Jenkins, Maven, and bash which enable multiple simultaneous and seamless releases.
* Responsible for a Java project using Bamboo and Maven as build tools.
* Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
* Responsible for designing and deploying best SCM processes and procedures.
* Designing and implementing a fully automated server for build management, monitoring, and deployment using Ansible.
* Created a robust and scalable Jenkins cluster with multiple nodes which helped in the orchestration of many pipelines including build, release, and deployment.
* Experienced in Developing CICD pipelines.
* Worked on Docker container snapshots, attaching to a running container, removing images, managing Directory structures, and managing containers.
* Provisioned and configured Tomcat and Apache instances using Shell/Perl/Groovy in uDeploy.
* Installation and configuration of PostgreSQL database on RHEL.
* Installing and management of multiple database systems including Oracle, MYSQL, PostgreSQL on Linux Environment.
* Designed, Installed, and Implemented Ansible configuration management system.
* Used Ansible to manage Web applications, Environment configuration Files, Users, Mount points, and Packages.
* Automated deployments to QA and Staging servers with one-button-click using Jenkins and bash. This gave a lot of flexibility to QA folks to deploy any build on their own.
* Implemented multi-tier application provisioning in AWS cloud, integrating it with Ansible.
* Designed and implemented scalable, secure cloud architecture based on both AWS and Amazon Web Services.
* Experience working with continuous delivery and building clouds with OpenStack and AWS.
* Created Ansible playbooks for provisioning, configuration management, patching, and software deployment in AWS environments.
* Worked closely with software developers on .NET and SRE to debug software and system problems.
* Created scripts in Python which integrated with Amazon API to control instance operations.
* Managing multiple GIT repositories and performing common SCM activities like branching, merging, and tagging.
* Administration of a huge Jenkins cluster consisting of a master and 50+ nodes.
* Used Jenkins for Continuous Integration and deployment into Tomcat Application Server.
* Deployed Java/J2EE applications to Application servers in an Agile continuous integration environment and automated the whole process.
* Installed and Configured the Nexus repository manager for sharing the artifacts within the company. Responsible for administration and management of Nexus.
* Verified if the methods used to create and recreate software builds are consistent and repeatable.
* Involved in Research of the project application architecture to support/resolve build, compile, and test issues/problems.

**Environment:** Git, GITHUB, Maven, Jenkins, ansible, Tomcat, Apache, Python, Ruby, Chef, Selenium, Artifactory, Chef, Docker, Kubernetes.

**USANA Health Science, Salt Lake City, UT June ‘2017 – May ‘2019**

**DevOps & AWS Engineer**

**Responsibilities:**

* Created the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration system.
* Developed and implemented Software Release Management strategies for various applications according to the agile Implementing a Continuous Delivery framework using Jenkins, CHEF, Maven, Nexus in Linux environment.
* Designed document data model for DynamoDB and worked on capacity planning.
* Automated AWS S3 data upload / download using Python scripts.
* Worked on installation of installation of MongoDB, DynamoDB RPM’s Tar files and prepare Yaml config files.
* Used data pipeline to offload the DynamoDB to S3 scheduled intervals.
* Performed data migration between multiple environments using Mango Dump and mango restore.
* Created Python and Bash tools to increase efficiency of application system. Developed tools using Python, Shell scripting, XML to automate some of the menial tasks. Interfacing with supervisors, artists, systems administrators, and production to ensure production deadlines are met.
* Used python scripts to update content in the database and manipulate files.
* Installed and configured an automated tool Puppet that included the installation and configuration of the Puppet master, agent nodes and an admin control workstation.
* Done POC on Kubernetes and created Kubernetes cluster from development to production environments.
* worked with Docker and kubernetes on multiple cloud providers, from helping developers build and containerize their application (CI/CD) to deploying either on public or private cloud.
* Installed, Configured and Administered Hudson/Jenkins Continuous Integration Tool.
* Responsible for Design and architecture of different Release Environments for new projects.
* Writing Maven and Ant build tools for application layer modules.
* Defining Release Process & Policy for projects early in SDLC.
* Worked on installation of Docker using Docker toolbox and Docker Engine.
* Worked on creating and deploying Microservices using Docker.
* Worked on creation of custom Docker container images, tagging and pushing the images to the repo Docker hub.
* Virtualized the servers using the Docker for the test environments and dev-environments needs. And also configuration automation using Docker containers.
* Implemented a Continuous Delivery pipeline plugin with Docker, and GitHub
* Hands on experience in Subversion administration.
* Strong knowledge on Source Code Management concepts like Branches, Merges and Tags.
* Coordinating with Different Project teams on Build &release planning and efforts.
* Integration of Automated Build with Deployment Pipeline. Currently installed Chef Server and clients to pick up the Build from Jenkins repository and deploy in target environments (Integration, QA, and Production).
* Responsible for nightly and weekly builds for different modules.
* Member of CCB representing changes for Release and environment configuration
* Responsible for configuring management of different application layer modules.
* Responsible for Database build, release and configuration
* Implemented scheduled downtime for non-prod servers for optimizing AWS pricing.
* Perform Deployment of Release to various QA & UAT in Linux environments.
* Work with different team members for automation of Release components.

**Environment:** DevOps, Java, Ant, Maven, Jenkins, Hudson, Chef, Python, AWS, GIT, SVN, Apache Webserver, JBoss, VMware, Windows, Subversion, Docker, EC2, Jira, Linux, Node JS.

**Zersys Technologies Bengaluru, India. May ‘2014 – Dec ‘2015**

**LINUX Administrator**

**Responsibilities:**

* Worked with Blade Chassis Enclosure HP with BL460c, BL680c, and BL485c, BL420c servers for the establishment of RHEL, OEL, CentOS 4.x, 5.x, 6.x, 7.x and VMware ESX 3.5 and 4.0, 5.0. 5.5 And 6.0.
* Extensively chipped away at BEA Web Logic 8i/9i Server, JBoss EAP 4.x/5.x/6.x Server, Apache HTTP and Apache Tomcat 6.x/7.x/8.x Server as an Administrator for Server Installations, Configuration, arrangement, Performance, tuning including investigating and upkeep.
* Managing frameworks routine reinforcement, planning employments like handicapping and empowering cron occupations, empowering framework logging, arrange logging of servers for support, execution tuning, testing.
* Strong working information of Routers and Switches, VLAN, TCP/IP, VPN, OSI demonstrate, Firewall (checkpoint), VOIP.
* Installed and designed different administrations like DNS, LDAP, DHCP, RPM, Send letters, Apache Web Server, Web Logic, NIS, SSH, Tomcat, Telnet, HTTP, HACMP, GPFS, SSL, NetApp, RPM Package Management and others.
* Completing programming constructs and rises, making catalogs and security gatherings, and reproducing earlier forms. Checked programming, equipment, and additionally middleware refreshes and using advancements like Hudson, Ant, MS Build, and Subversion.
* Excellent working background of GIT expanding/labeling, making new and overseeing existing Repository, Team Foundation Version Control. Made Build Jobs and Deployments in Hudson.
* Developed Hudson occupations to naturally oversee, test, and send code and applications.
* Performed OS establishments, OS Upgrades, and Server Patching by designing PXE and DHCP server utilizing Kickstart Configuration and by utilizing Red Hat Satellite server.
* Responsible for designing and association with SSH through SSH customers like Putty Remotely adapting records utilizing SFTP, FTP, SCP, WinScp, and FileZilla.
* Troubleshooting the system with the assistance of net detail, ping, nslookup and follow course devices.
* Installed, updated and oversaw bundles by means of RPM and YUM bundle administration.
* Worked with Database managers to tune part for Oracle establishments.
* Administrated perforce and made clients and give access to them considering their parts. Composed shell and Python contents to take programmed reinforcement consistently.
* Designed, and sent VMware View VDI work area bolster for inward and outside end-clients.

**Environment:** Red hat Linux 5/6.x, TCP/IP, UNIX/LINUX, Oracle10g, Kernel, Windows, TCP/IP, GIT, Hudson, Java, Ant, WebLogic Server 11g, RAID, Shell, Python, Web Sphere, Load Balancers, WLST, Apache Tomcat 5.5.