**Name:** Vardhan

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**PROFESSIONAL SUMMARY:**

* Having 3 + years of Experience in DevOps Environment and Linux administration, build engineering and release management process, building and deploying applications by adopting DevOps practices such as Continuous development, Continuous Integration (CI) and Continuous Deployment (CD)in runtime with various tools like Git, Jenkins, Ansible, Chef, Docker, Kubernetes and managing cloud services with Azure &AWS.
* Linux/Unix system administrator on Red-hat EL, 5.x, 6.x, CentOS 4.x,5.x and VMware environment.
* Experienced in administration, troubleshooting, tuning, security, backup, recovery, and upgrades.
* Experience on complete software development life cycle (SDLC) with software development models like Agile, Scrum Model, JIRA.
* Creating and maintaining Infrastructure for Applications in **AWS** using Terraform. Building &Automating CICD pipelines for different applications.
* Experience in dealing with Windows Azure IaaS - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, VPN, Load Balancing, Application Gateways, Auto-Scaling, and Traffic Manager.
* Experience working with monitoring tools like Splunk, Nagios, Prometheus, Grafana, Cloud watch, New Relic and Stack Driver
* Major focus on Configuration, SCM, Build/Release Management, Infrastructure as a code (IAC) and as Azure DevOps operations Production and cross platform environments.
* Experienced in working on DevOps /Agile operations process and tools area (Code review, unit test automation, Build & Release automation Environment, Incident and Change Management) including various tools.
* Worked on deployment automation of all the micro services to pull image from the private Docker registry and deploy to Docker swarm cluster using Ansible.
* Integrated Jenkins with various DevOps tools such as Github, Nexus, SonarQube, Puppet, Terraform, CloudFormation etc,.
* Implemented a complete automated build-release solution using a combination of technologies like Maven, TFS, Jenkins
* Developing automated process for code builds and deployments using Jenkins, Ant, Maven, Sonar type Nexus, Shell Script, Perl, Java.
* Unique experience with Pivotal Cloud Foundry and OpenShift/Kubernetes architecture and design, troubleshooting issues with platform components (PCF), and developing global/multi-regional deployment models and patterns for large scale developments/deployments on Cloud Foundry and Open Shift/Kubernetes.
* Used JIRA to keep track of all the ongoing tasks and maintain bug resolutions.
* Experience in setting up CICD pipeline integrating various tools with Jenkins to build and run Terraform jobs to create infrastructure in AWS
* In-depth understanding of the principles and best practices of Software Configuration Management (SCM) processes, which include compiling, packaging, deploying and Application configurations.
* Profusely worked on Version control tools GIT, clear case to track changes made by different people in source code involving concepts like Branching, Merging and Tags.
* Developed and managed cloud VMs with AWS EC2 command line clients and Services AWS provisioning and worked on services like EC2, S3, Glacier, ELB (Load Balancers), RDS, SNS, SWF and EBS.
* Installed and configured third party systems, performed System requirements evaluation, security compliance agreement by
* monitoring the systems and gathering metrics. Developed automated scripts to evaluate and used security hardening.
* Highly organized, detailed oriented, able to plan, prioritize work and meet project deadlines also, work well under tight deadlines.
* Excellent communication, interpersonal, intuitive, and analytical and leadership skills with ability to work efficiently in both independent and teamwork environment.

**Professional Experience:**

Mastercard, Vancouver, BC April 2021 – Till Date

Cloud DevOps Engineer

**Responsibilities:**

* Worked in highly collaborative operations team to streamline the process of implementing security
* Confidential AWS cloud environment and followed best practices security guidelines
* Gathering the requirements from the clients about the existing applications to apply the security measures
* Understand the latest features like (Azure DevOps, OMS, NSG Rules, etc..,) introduced by Microsoft

Azure and utilized it for existing business applications

* Creating, validating, and reviewing solutions and effort estimate of converting existing workloads from classic to ARM based Azure Cloud Environment
* Developed automation system using PowerShell scripts and JSON templates to remediate the Azure services
* Worked on GIT to maintain source code in Git and GitHub repositories
* Created builds and release pipelines in VSTS and done deployments using SPN (secure endpoint connection) for implementing CI/CD.
* Implemented automation for deployments by using YAML scripts for massive builds and releases
* Created LTA (Logical Technical Architecture) diagrams using Microsoft Visio
* Used tools like Visual Studio Community Edition, Visual Studio Code, Power Shell ISE and SQL Server Management Studio.
* Worked with Agile methodology in XL Deploy and XL Release, CI/CD automation from scratch, Docker, Openshift)
* Built and Implemented complete CI stack to migrate from a Puppet stack in a colo to Terraform with Chef in AWS.
* Wrote shell scripts to handle server processing migrating applications from .Net to Python monitoring applications and server performance with Splunk and Jenkins.
* Worked on Jenkins to implement Continuous Integration and deployment into Tomcat /Web Logic Application Server.
* Had done POC on implementation of continuous deployment pipeline with Jenkins and Jenkins workflow on Kubernetes
* Assist with configuration of Cloud Compute systems using OpenStack on Ubuntu, collaboration using Orchestration with Kubernetes and other functions within Open Stack.
* Responsible for Configuring Kafka Consumer and Producer metrics to visualize the Kafka System performance and monitoring
* Experienced in building, deploying, and integrating Java-based web applications in a UNIX, including exposure to J2EE/.NET architecture (especially BEA Web Logic, Tomcat and WebSphere).
* Deploy Splunk systems and monitor internal logs from the monitoring Console, troubleshoot existing or potential issues and resolve the issues.
* Over saw the quality of Automated Build plans to help the Delivery process to NON-PROD and PROD Environments
* Worked on implementing backup methodologies by Power Shell Scripts for Azure Services like Azure SQL Database, Key Vault, Storage blobs, App Services etc.
* Configured the XL Deploy and XL Release for all the applications from scratch, once the build package is available, then promoted with simple enable options to deploy in the targeted servers.
* Acted as build and release engineer, deployed the services by VSTS (Azure DevOps) pipeline. Created and Maintained pipelines to manage the IAC for all the applications
* Assigned RBAC policies Confidential group level and user level as per the LTA created for the services
* implemented new (Automation account, scheduler, notification hub, IOT Hubs, Batch and other services)
* Assigned RBAC Roles using Organization Active Directory Confidential the Subscription Level to grant accesses only to required members based on Least-Access Privileges (we use CWS Groups)
* Collaborated with cross functional teams (firewall team, data base team, application team) in execution of this project.

**Environment:** .Net, Azure, PowerShell, XL Release, XL Deploy, Kubernetes, Kafka, GIT, Python, AWS, Splunk,

VMware, Jenkins, Terraform, Ansible, SVN, Puppet, Open Stack, Docker, Jira, Maven, VSTS, Apache

Tomcat Application Server, Salt stack.

**Mitel networks, Toronto, ON.**

AWS/DevOps Engineer Sep 2019 – Mar 2021

**Responsibilities:**

* DevOps Workflow representing all stages starting from SCM Commit Build, Integration Build Which Compiles Code, Junit Test cases and Code Coverage, Build and Bundle, Publish with Lead Approvals and Deployment of Artifacts.
* Create and configure Jenkins server using Terraform and Ansible.
* Create indexes, forwarder and indexer management, Splunk Field Extractor, Search head Clustering, Indexer clustering, automation scripts save old data into AWS Glacier
* Use of Docker, Kubernetes, and Open Shift to manage micro services for development of continuous integration and continuous delivery
* Launching AmazonEC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu/RHEL) and configuring launched instances with respect to specific applications.
* Installed application on AWS EC2 instances and configured the storage on S3 buckets.
* Managed IAM policies, providing access to different AWS resources, design and refine the workflows used to grant access.
* Worked with git to maintain code, deploy code through Travis and Terraform to Amazon Web Services via Dies.
* Integrated with Team City and Octopus for the continuous integration and continuous delivery.
* The development is incremental, once the changes are checked-in to TFS, the daily build runs, executes the unit test cases and deploys the changes on CI environment.
* Enhanced existing automated Build/Deploy process and architect the next generation centralized deployment processes using Octopus.
* Provisioned EC2 instances, configured auto scaling and defining cloud formation JSON templates using Ansible modules.
* Administrated and Implemented TFS, Maintained and Migrated TFS&TFS 2012\2013 support.
* Implemented Branching and Merging concepts TFS 2012 and GIT.
* Accomplished tasks of client SCM team and worked on the migration of existing code repository from ClearCase multisite to TFS.
* Defined application servers on WebLogic Server, created nodes and horizontal created clusters, configured Oracle JDBC provider to provide connectivity via data source to the application.
* Worked extensively on cross-platforms (Windows and UNIX) with TFS and GIT.
* Deployed and managed web applications and services into AWS by using Elastic Bean Stalk.
* Managed servers on the Amazon Web Services (AWS) platform instances using Puppet, Chef Configuration management.
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Created Maven POMs to automate the build process for the new projects and integrated them with third party tools like SonarQube, Nexus.
* Created Bus members, provided configurations for messaging queue in WebLogic.
* Deployed and designed pipelines through Azure data factory and debugged the process for errors.
* Involved in creation of virtual machines and infrastructure in the Azure Cloud environment.
* Created Chef Automation tools and builds and do an overall process improvement to any manual
* processes.
* Worked on developing the backend part of the application involving Spring 3, JPA and Hibernate
* Implemented unit testing framework driven using Junit and Cucumber.

**Environment:** Amazon Web Services (AWS), Azure, Octopus, IAM, S3, EC2, VPC, cloud watch, Nix, Azure, ANT,

Maven, Tortoise SVN, GitHub, Chef, Puppet, Ansible, Terraform, Docker, WebLogic, Splunk, SonarQube.

**OpenText, Toronto, ON**

System Administrator July 2018 - Aug 2019.

**Responsibilities:**

* Responsible for building out and improving the reliability and performance of cloud applications and Cloud infrastructure deployed on Amazon Web Services.
* Developed environments of different applications on AWS by provisioning on EC2 instances using Docker, Bash and Terraform.
* Writing Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of AWS Nodes and test Playbooks on AWS instances using Python.
* Designed AWS CFTs to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Built S3 buckets and managed policies for S3 buckets and Created users and groups using IAM and assigned individual policies to each group.
* Created business specific VPCs, and Security Gateways and AWS Security groups to enable firewall.
* Installed, configured, and upgraded Ubuntu 12.04 to 14.04 using customized Kickstart
* Installed and maintained Red Hat 6.x and Centos 7.x
* Maintaining backup drive
* Provided application support for software running on Unix and Ubuntu
* Provided IT support for internal resources and services for the whole team
* Wrote BASH script for automation
* Installed and configured SSL certs
* Developed branching strategy within GitHub and created a release version of the application which is deployable to hosted environments including production.
* Worked on Groovy scripting to automate and maintain the deploy jobs and application config to different environments.
* Implemented AWS Code Pipeline and created CFT JSON templates in Terraform for infrastructure as code.
* Created functions and assigned roles in AWS Lambda to run python scripts.
* Created Lambda jobs and configured Roles using AWS CLI.
* Implemented PagerDuty alerting system in the event of service failure and improved the application availability to end users.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using Cloud Watch.
* Deployed cloud stack using AWS Ops Works, Optimized volumes and EC2 instances & created multi-AZ VPC instances.
* Installed and implemented Ansible configuration management system to manage web applications, environments configuration files and users.
* Responsible for installation, configuration, and administration of Red Hat Linux, Solaris systems.
* Developed automated process for builds and deployments using Jenkins, Ant, Maven, Sonatype Nexus, Shell, Python and Java; administered and integrated the Version Control Systems like Subversion and Git with Jenkins.
* Designed and implemented automation deployment using to promote major releases, monthly releases, and patches from Development ->Integration/QA ->Staging/UAT ->Production.
* Troubleshooting backup and restore problems and performed day-to-day trouble shooting for the end users on Solaris and Linux based servers.
* Maintained proper documentation of all the activities carried out during the project. Configuring and Administering NFS and auto mount in networks.
* Develop, Maintain, update various scripts for services (start, stop, restart, recycle, cron jobs) UNIX based shell, Perl.
* Setup various user profiles, environment variables/security to ensure smooth operation.
* Experience in installing local and remote YUM server on Red hat.
* Perform hardware configuration, operating system loads, and assist with troubleshooting installation issues.
* Installations of all the required patches, drivers, third-party software.
* Granting root permission to users for performing certain activities.
* Implemented System policies and hardware profiles, hard disk configuration for fault tolerance, disk mirroring and back up the data using BACKUP devices.
* User accounts management, developing Korn shell scripts for various system performances monitoring purposes and troubleshooting
* Worked for setting up **Tableau sever** for Dev and Production. Communicated with Tableau support for resolving network related and authentication related issues and configured server according to company security standards and work models.
* Maintaining **Jira server** for trouble shooting problems when server crashes and also upgrading the server to latest versions to fix security and performance related issues.
* Used monitoring and alerting tools such as New Relic, Datadog, ELK Stack for monitoring the health of application.

Environment: