

PROFESSIONAL SUMMARY

- Overall 8 years of experience in **DevOps, Configuration Management, Build Engineering and Release Management processes**, including Building binaries, end-to-end code configuration, and deployments of artifacts for entire life cycle model in Enterprise Applications.
- Experienced in **DevOps, Build & Release and Configuration Management** on Linux and Windows platforms.
- Good understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile, Scrum, and Waterfall** methodologies.
- Configured **Application Life Cycle Management(ALM)** tools like **JIRA, Trello**, to track the progress of the project
- Hands-on experience with **Amazon Web Services (AWS)** and using **AWS Kinesis, SQS**.
- Good exposure to Version control tools like **Git, GitHub, SVN, Bitbucket** -etc.-
- Implemented **Continuous Integration and Continuous deployment** using various CI Tools like **Jenkins, Bamboo**.
- Integrated **Jenkins** with the **version control tools** to pull the latest pushed code.
- Experience in creating **Jenkins Environment and configuring end to end build pipe lines**.
- Experience with **orchestration and configuration management tools** like **Ansible, Chef, Puppet**, as I am much Passionate about automation.
- Implemented **Chef Cookbooks** for OS component configuration to keep AWS server's template minimal.
- Done cloud migration from physical data center towards **Amazon Web services (AWS)** and had good understanding with **Public, Private and Hybrid Cloud Environments**.
- Experience **creating pods and clusters in Kubernetes** and deploy those using **Openshift**.
- Good understanding of **Open shift platform** in managing Docker containers and **Kubernetes Clusters**.
- Good knowledge on protocols and **REST** and **SOAP** webservices.
- Expertise in using build tools like **MAVEN** and **ANT** for the building of deployable Artifacts such as war and ear from Source Code.
- Installed and configured **AEM 6.0** instance and developed Templates, Components, Dialogs, Widgets which are the building blocks for a page.
- Achieved continuous delivery by constantly coordinating with testing and dev teams.
- Used **Docker and Open Shift** to manage micro services for development and testing.
- Experience with Bug tracking tool like **JIRA**. Created and wrote **shell scripts (Bash), Ruby, Python and PowerShell** for automating tasks.
- Continuous deployment using **Ant, Maven. Perl, Power shell, Shell, Puppet, Chef, Packer, Terraform on to prem., AWS and Azure**
- Experienced in Administration of Production, Development and Test environments carrying different operating system platforms like Windows, Ubuntu, Red Hat Linux, HTTP, TCP.
- Experienced in Querying RDBMS such as **Oracle, MY SQL and SQL Server** by using SQL for data integrity.
- Experienced with Handling Cloud environments (AWS and OpenStack)
- Managed environments **DEV, QA, UAT and PROD** for various releases and designed instance strategies.
- Well Adverse with the principles and best practices of Software Configuration Management (SCM) processes, which include compiling, packaging, deploying and Application configurations.
- Expert in deploying the code through web application servers like **Web Sphere/Web Logic/ Apache Tomcat/JBOSS and Jetty**.
- Experience in integrating Unit Tests and Code Quality Analysis Tools like **JUnit, Cobertura, PMD, Find-bugs, Check-Style, Sonar-Qube and Gerrit** for code review.
- Experience in software Build tools like Apache Maven and Apache Ant to write **Pom.xml** and **Build.xml** respectively.
- Experience in Amazon AWS Cloud Administration which includes services like: **EC2, S3**. For application or backend service worked on **Lambda**.

- Responsible for Operating System maintenance activities like upgrading the OS, updating the services and third-party software.

TECHNICAL SKILLS:

Operating systems	Windows, Linux, Unix, Ubuntu, Red hat, CentOS
Build Tools	Ant, Maven, Gradle
Source Code Management	SVN, GIT, Bitbucket, IBM Rational Clear Case, Perforce
Bug Tracker and Testing	JIRA, Junit, Test Flight, Confluence
CI/ CD Tools	Hudson, Jenkins, Bamboo, Team City, Circle CI, Travis CI.
Configuration Tools	Ansible, Chef, Puppet, Vagrant, Docker, OPS Work
Monitoring Tools	Splunk, Data dog, Nagios.
Cloud Services	Amazon Web services, Google cloud Platform, Microsoft Azure.
Web/App Servers	Nginx, JBoss, Apache, Apache Tomcat, WebLogic.
SDLC	Waterfall modal, Agile, Scrum

PROFESSIONAL EXPERIENCE:

BANK OF THE WEST, San Ramon, CA

Jun 2016 to Till Date

DevOps Engineer

Experience in DevOps Engineer for project teams that involved different development teams and multiple simultaneous software releases. Developed and implemented Software Release Management strategies for various applications according to the agile process. Experience with **Build and Release management** according to enterprise guidelines, used continuous integration tool like **chef** manage system configuration. Experience in Analysis, Design and Focused on automation, **integration monitoring and configuration management**.

Responsibilities:

- Managed multiple **cookbooks in Chef** and Implemented environments, roles, and templates in **Chef** for better environment management.
- Expertise in Azure infrastructure management (Azure Web Roles, Worker Roles, SQL Azure)
- Used Shell scripts to day to day activities and tasks for automating.
- Used Jenkins tool to automate the build process to manage Git.
- Installing and configuring **Jenkins** master and slave nodes. Built **CI/CD pipeline** and managing the infrastructure as code using chef.
- Have experience in cloud platform like **AWS**.
- Created and implemented chef cookbooks for deployment. And used Chef Recipes to create a Deployment directly into **Amazon EC2** instances.
- Worked with GIT to manage source code.
- Developed **Perl, and Bash scripts** to do data verification between Hive and Teradata databases as part of database migration.
- Experienced in migrate an On-premises Instances or **Azure** Classic Instances to **Azure** ARM Subscription with Azure Site Recovery
- Developed Unix shell scripts to trigger Teradata SP/BTEQ and worked with Teradata Utilities such as Multi Load, Fast Load, Fast Export, BTEQ.

- Converted existing terraform modules that had version conflicts to utilize cloud formation during terraform deployments to enable more control or missing capabilities.
- Created micro service plugin for Hapi.js service worker to read in info via **RabbitMQ** message bus to create and send SNS messages to AWS SNS topic
- Maintained high degree of competency across the Microsoft Application Platform focusing on .NET Framework, WCF, Windows Azure, and SQL Azure.
- Strong use of Shell scripting languages including BASH for Linux.
- Scheduled, deployed and managed container replicas onto a node cluster using Kubernetes.
- Setup Chef Server, workstation, client and wrote scripts to deploy applications.
- Writing **Teradata sql queries** to join or any modifications in the table
- Deployed the applications to Tomcat Application Server and static content to Apache web servers.
- Automated the continuous integration and deployments using **Jenkins, Docker, Ansible and AWS** Cloud Templates.
- Monitoring and implementing security on Azure IAAS VMs and virtual networks.
- Installed and used monitoring tool like **Nagios**, Configured, and Managed Monitoring Tools such as Nagios for Resource Monitoring/Network Monitoring/Log Trace Monitoring. Monitoring focal utilizing Nagios.
- Worked on Docker container to create Docker images for different environments.
- Provided high availability for IaaS VMs and PaaS role instances for access from other services in the VNet with Azure Internal Load Balancer
- Container management using Docker by writing Docker files and set up the automated build on **Docker HUB** and installed and configured **Kubernetes**.
- Updated Hapi.js service worker to emit a new RabbitMQ message.
- Converting existing AWS infrastructure to server less architecture (AWS Lambda) deployed via terraform or AWS Cloud formation.
- Ability to create scripts using **Azure** PowerShell during for automation and build process.
- Automated CI/CD process using Jenkins, build-pipeline- plugin, GIT.
- Very good experience working on continuous integration and Continuous Delivery tools such as Jenkins and Bamboo and did support and backup.
- Experience of using Azure backups and Recovery Vault to migrate on premise to Windows Azure in DR on cloud.
- Working experience of deployment of **Java** applications through WebLogic/WebSphere Application servers. And build tools like Gradle.
- Implemented and improved process for release management, automated code deployment, configuration management, and monitoring.

Environment: Quick Test Professional (QTP), kubernetes, docker, Linux, Mercury Quality Center, Java/J2EE, DB2, Web Sphere, Windows, Load Runner, Oracle, Perl, SQL, PL/SQL, Teradata, Terraform, MS Excel, MS Office.

GENERAL ELECTRIC, South Burlington, VT

Nov 2015 to May 2016

AWS/DevOps Engineer

Designed processes and Provisioning infrastructure architecture for HD Vest applications and used **AWS** infrastructure as code for various environments. Cloud formation for entire AWS resources, **IAM roles**, Virtual private cloud, **EC2 instances and S3 buckets**.

Responsibilities:

- Implemented new process and policies for build process and involved in auditing.
- Worked in designing and implementing continuous integration system using Jenkins by creating **Python** and Shell scripts.
- Automated the cloud deployments using **Puppet, Python and AWS** Cloud Formation Templates.
- Worked on setting up Upstream and Downstream Jobs in Jenkins.
- Build Data Sync job on Windows Azure to synchronize data from SQL 2012 databases to SQL Azure.
- Worked on Multi project jobs in Jenkins and used pipeline plugin to manage them.
- Working and involved in migration (Implementation and Delivery) of existing websites to **AEM6.0**
- Implemented automated application deployment and written deployment scripts and automation scripts.

- Created and updated Puppet manifests and modules, files, and packages stored in the GIT repository.
- Lead Automation deployment team and worked with Puppet, written puppet modules for application deployment.
- Worked with Python, Flask, Jenkins, Terraform and incorporating those three services for infrastructure automation project.
- Experience with Microsoft Azure, Azure Resource Management templates, Virtual Networks, Storage, Virtual Machines, and Azure Active Directory
- Very good understanding of **AEM** architectural concepts (such as design, deployment, scaling & security)
- Worked with various **AWS, EC2 and S3** Command Line Interface(CLI) tools.
- Implemented AWS solutions using **EC2, S3, RDS, EBS, Elastic Load Balancer, Auto-scaling groups. Optimized volumes, AWS Kinesis, SQS and EC2 instances**
- Patched different software using RedHat Package Manager and YUM.
- Automate infrastructure creation, deployment and recovery using Ansible, Docker, Terraform & Jenkins
- Used **IAM** to create new accounts, roles and groups.
- Built a prototype Azure application that access 3rd party data services via Web Services. The solution dynamically scales, automatically adding/removing cloud-based compute, storage and network resources based upon changing workloads.
- Configured S3 versioning and lifecycle policies to and backup files and archive files in Glacier.
- Created monitors, alarms and notifications for EC2 hosts using Cloud Watch.
- Create proof of concepts of technologies to evaluate: Docker, Kubernetes, Cassandra, , Bamboo, Jenkins, Splunk, Terraform.
- Worked on M-Collective framework for building server orchestration and parallel job-execution systems.
- Planning and implementing **VPCs** with multiple availability zones and multiple subnets to meet the dynamic IP requirements.
- Azure VMs, Networking (VNETs, Load Balancers, App Gateway, Traffic Manager, etc.)
- Azure Service Fabric, Containers
- Part of installation of **AEM 6.0** author & publish instances on to Development, Integration.
- Launching and configuring of Amazon EC2 Cloud Servers using AMI's (Linux/Centos) and configuring the servers for specified applications.
- Management of **Red Hat** Linux user accounts, groups, directories and file permissions.
- Maintained and Administered GIT Source Code Tool.
- Created Branches, Labels and performed Merges in Stash and **GIT**.
- Installed and Configured **AEM** Authoring & Publishing Instance.
- Developed Processes, Tools, Automation for Jenkins based Software for Build system and delivering SW Builds.
- Managed Build results in **Jenkins** and Deployed using workflows.
- Used elastic search through **JSON and Java API**.
- Wrote deployment recipes for infrastructure management (Terraform)
- Worked on Oracle Databases there by connecting different environments to these databases in lower and production environments.
- Build new Jenkins Jobs for the new **AEM** instances.
- System Cloning, System Copy, and Data Refresh as agreed to by the business stakeholders.
- Designed and implemented fully automated server build management, monitoring and deployment by using DevOps technologies like Puppet.
- Designed and implemented scalable, secure cloud architecture based on Amazon Web Services.

Environment: AWS, SQS, Ansible, CICD (Jenkins), Docker, Maven, Linux, Splunk, Terraform, Red Hat ELK, GIT, Cloud Watch, Python, AEM 6.1, Shell Scripting, JSON, AEM 6.0, WebSphere, Tomcat

GAP Inc. San Francisco, CA
DevOps Engineer

Apr 2013 to Oct 2015

Developed tools and automated solutions with my team in support of hosted services and troubleshooting for performance, reliability, and scalability issues. Enhanced group infrastructure with Virtualization and Cloud computing technologies.

Responsibilities:

- Connected continuous integration system with **GIT** version control repository and continually build as the check-in's come from the developer.
- Versioning and Source control of codes using GIT concepts such as branching, merging, labelling/tagging,
- Branches locking, access control and integration.
- Involved in designing and deploying multiple applications using **AWS** cloud infrastructure focusing on high availability, fault tolerance and auto-scaling of the instances.
- Leveraged Amazon Web Services like **EC2, RDS, EBS, AWS Kinesis, SQS ELB, Auto scaling, AMI, IAM through AWS console and API Integration.**
- Developed infrastructure as code with **Terraform** to deploy VMware and AWS infrastructure
- Created **Buckets in AWS** and stored files. Enabled Versioning and security for the files stored.
- Created **SNS (Simple Notification Services)** and triggering it by **Cloud Watch monitoring** to send SMS or Email to desired recipients.
- Worked on **Docker hub, creating Docker images** and handling multiple images primarily for middleware installations and domain configurations.
- Integrated **Docker** container based test infrastructure to **Jenkins CI** test flow and set up build environment integrating with Git and Jira to trigger builds using Web Hooks and Slave Machines.
- Virtualized the servers on **AWS** using the **Docker**, create the **Docker files and version control.**
- Configured and maintained **Jenkins** to implement the CI process and integrated the tool with **GIT** and **Maven** to schedule the builds.
- Implemented new build framework **using Jenkins & maven as build framework tools.**
- Configured Jenkins daily periodic backups for Jenkins config and plugins files.
- Worked with data management tools like **Splunk, ELK.**
- Developed Python application to generate dynamic inventory for Ansible from **Terraform** state
- Used **Splunk** to monitoring/metric collection for applications in a cloud based environment.
- Worked with **Configuration Management automation** tool **Ansible** and has worked on integrating **Ansible YAML Scripts.**
- Created **Ansible** playbooks to automatically install packages from a repository, to change the configuration of remotely configured machines and to deploy new builds.
- Worked with Ansible to manage **Web Applications, Config Files, Data Base, Commands, Users Mount Points, and Packages.** **Ansible** to assist in building automation policies.
- Managed a PaaS for deployments using Docker, Ansible and Mesos, which reduced considerably deployment risks.
- Involved in building Object Oriented applications using Java, writing Shell Scripts and Python Scripts on UNIX.
- Created and wrote **Python and Shell scripts** for automating tasks.
- Involved in using **Tomcat Web Server, JBOSS, WebLogic** and WebSphere Application Servers for deployment.

Environment: AWS, Ansible, CICD (Jenkins), Docker, Maven, Terraform, Splunk, ELK, GIT, Cloud Watch, Python, Shell Scripting, JSON, WebSphere, Tomcat.

CVS Pharmacy, Woonsocket, RI

Oct 2011 to Oct 2013

DevOps Engineer

To perform DevOps assessments that can handles end to end flow and evaluate Verizon's process and tools against DevOps best practices. Identify practical opportunities for creating and maintaining a IVR portal by DevOps pipeline (Release Visibility). Provide stable and continuous build and deployment strategy for cloud based architecture.

Responsibilities:

- Modeled and automated the End to End Continuous Integration/Deployment/Delivery pipeline which included building a Continuous Integration server utilizing tools like **Jenkins, Arti factory, Maven, GIT and Sonar.**

- Responsible for creating and maintaining a IVR portal that implements DevOps(Dashboard) to depicts the overall progress of the project with all sorts of metrics from requirement until delivery.
- Using GIT to manage source code developed by various platform engineers.
- Extensive experience working with Verizon cloud services and AWS provided Solutions **like EC2, ELB, VPC, Route 53, RDS, S3, IAM, and Cloud Watch.**
- Creating S3 buckets and managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
- Involved in designing and deploying a multitude application utilizing almost all the **AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM)** focusing on high-availability, fault tolerance, and auto-scaling using deployment of multi stacked environments through AWS Cloud formation templates.
- Managed Amazon Web Services (AWS) infrastructure that automate the Provisioning of AWS Services through ansible scripts and cloud formation templates.
- Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud watch.
- Manage **AWS EC2** instances utilizing **Auto Scaling, Elastic Load Balancing and Glacier** for our environments.
- Supporting the Application team in making them analyze about the automation implementation and other related issues (if any)
- Coordinating with **QA/DEV/Project/Delivery/Production** Support/Managers and Performance teams to consider concerns, issues and addressing those aspects to meet the delivery dates.
- Resolved update, merge and password authentication issues in **Jira.**
- Monitor scalable infrastructure on **Amazon web services (AWS)** & configuration management using chef
- Good understanding of **Docker** Configuration Management Tool.
- Created the strategy for automated build and deployments.
- Perform automated builds on the go when a change is promoted using **Jenkins pipeline** structure.
- Using Verizon cloud services at production end.
- Manage all **CM tools (Arti factory, Maven, Jenkins, Git)** and their usage/process ensuring traceability, repeatability, quality, and support.
- Identifying Cross Functional Dependencies, Monitoring & tracking the release milestones.
- Deployment and Implementation on customer site and integrate the application with the customer's internal systems and process

Environment: Amazon web services, Verizon cloud services, Docker, Jenkins, Arti factory, Maven, GIT, GIT Hub, Chef, SVN, Jira

Mphasis Ltd, Hyderabad, India
DevOps Engineer

Sept 2009 to Aug 2011

Installation and configuration of Operating System such as Linux. Maintained many cluster nodes using CRM. AWS and Virtualization experts for field deployment for various customers. Create branches for various code line deliveries and merging to the main code base after every PRODUCTION release.

Responsibilities:

- Maintained and Administered **GIT** Source Code Tool.
- Created Branches, Labels and performed Merges in Stash and GIT.
- Developed Processes, Tools, Automation for Jenkins based Software for Build system and delivering SW Builds.
- Managed and developed **Puppet** modules responsible for deploying AWS
- Managed Servers and Reports using Puppet through host groups and **puppet modules and manifests.**
- Integrated GIT into Jenkins to automate the code check-out process.
- On boarded new nova compute hypervisors with checks ensuring their health before enabling them.
- Created VM snapshots using nova and glance to backup application state into glance images periodically.
- Implemented the application using Jakarta **Struts Framework** which is based on Model View Controller design pattern.
- Setting up build server for continuous integration with Jenkins for daily/nightly and weekly based builds.
- Communicating with Development teams in advance for all PRODUCTION releases planned.

- Designed the Release Plans while coordinating with Stake Holders including Project Management Lead, Development Lead and QA Team Lead.
- Used **STRUTS** 2 tags for front end application development.
- Experienced working with Ansible tower. Integrating Ansible tower with Jenkins to deploy code to different servers.
- Installed and configured **Apache** and supported them on **Linux** production servers
- Worked with different Ansible playbooks and maintain different Ansible roles.
- Creating Ansible roles using **YAML** such as tasks, variables, files, handlers, templets and writing playbook for that role.
- Create new EC2 instance to meet high availability application architecture and security parameters
- Create AWS instance via **Jenkins** with EC2 plugin and integrate nodes in Ansible and Integrating AWS S3 bucket with Jenkins for backup of code
- Provide highly durable and available data by using **S3 data store, versioning, lifecycle policies, and create AMIs** for mission critical production servers for backup.
- Used **Ansible** server and workstation to manage and configure nodes.
- Tracking **JIRA** tool for live defects and change request's.
- Integrated crucible with Jira.
- Used Struts framework to generate Forms and actions for validating the user request data.
- Creating the complete setup with core network running on another machine.
- Implementation of code for several modules.
- Debugging the issues reported from various stakeholders.

Environment: Struts 1.x / 2.0, Ajax, JSP, JNLP, Hibernate, YUI, My SQL, Net Beans IDE 6.5, Tomcat 6.5 Web Logic Server 9, Quality Center, Mercury QTP, Load runner, Java, XML, JSP, Web Service, Java Mail 1.3, Java Script, DB2, Web sphere, Windows XP/Vista, Linux.

Education:

Bachelor of Electronics and Communication Engineering, SRM University.