

PROFESSIONAL SUMMARY

- 6 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.
- Expert working on the principles and best practices of Software Configuration Management (SCM) in Agile, Scrum, and Waterfall methodologies.
- Automated deployment operations using various tools in DevOps, Configuration Management, Cloud Infrastructure using Jenkins, Maven, Dockers, AWS, GIT, Linux etc.
- Extensive experience with Git in a team environment on UNIX and Windows platforms.
- Expertise in writing complex cookbooks, recipes and configure them by applying node convergence on various production nodes.
- Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, PHP, Node.js, Python, Ruby and Docker on familiar servers such as Apache, and IIS.
- Good working experience with different Bug & Log Tracking Tools like Bugzilla, Remedy, Jira and ClearQuest.
- Experienced working on Version control tools like Git, GitHub, SVN, Bitbucket
- Experienced in Amazon AWS Cloud Administration which includes services like: EC2, S3. For application or backend service worked on Lambda.
- Experienced with orchestration and configuration management tools like Ansible, Chef, Puppet, as I am much Passionate about automation.
- Expertise in building scalable, high performance systems that support entire pre-production lifecycle.
- Build servers using AWS including importing volumes, launching EC2, creating security groups, auto-scaling, load balancers in the defined virtual private connection
- Knowledge and expertise on all aspects of Chef concepts like Chef Server, Workstations, Nodes, and Chef clients.
- Expert in using AWS lambda to run servers without managing them and to trigger to run code by S3 and SNS.
- Ensured data integrity and data security on AWS technology by implementing AWS best practices.
- Implemented Chef Cookbooks for OS component configuration to keep AWS server's template minimal.
- Worked on cloud migration from the physical data center towards Amazon Web Services (AWS) and had a good understanding with Public, Private and Hybrid Cloud Environments.
- Used Docker and OpenShift to manage microservices for development and testing.
- Expert 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, PowerShell, Shell, Puppet, Chef, Packer, Terraform on to prem., AWS
- Extensively used Docker for virtualization, run, ship, and deploy the application securely for fastens the build/release engineering.
- Expertise in Large scale, high performance enterprise application deployment and Solution architecting on complex heterogeneous environments on AWS
- Experience in security maintenance, monitoring and logging systems on AWS.
- Expert in using AWS including EC2, Auto-Scaling, Elastic IP's, ELB, Kinesis, Elastic Beanstalk, S3, Cloud Front, Cloud Formation, RDS, RedShift, Amazon DynamoDB, VPC, Route53, SNS, SQS and migration from on premises network to AWS cloud.
- Experienced in Querying RDBMS such as Oracle, MY SQL and SQL Server by using SQL for data integrity.
- Experience in managing 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.
- Experienced in deploying the code through web application servers like WebSphere/ WebLogic/ Apache Tomcat/JBOSS and Jetty

- Experienced in integrating Unit Tests and Code Quality Analysis Tools like JUnit, Cobertura, PMD, Find-bugs, Check-Style, SonarQube and Gerrit for code review.
- Excellent organization skills and ability to support multiple projects simultaneously.

TECHNICAL SKILLS

Web Technologies	Google Web Toolkit, HTML, JavaScript, CSS, XML, XSLT
Languages	Shell, PHP, C, C++, Core Java.
Build Tool	ANT, MAVEN, Gradle
SCM Tool	Subversion (SVN), GIT, CVS
Continuous Integration TOOLS	Hudson, Jenkins
Platforms	UNIX, Linux, HP-UX, Solaris, Microsoft Windows Vista/ XP
Database	DB2, SQL Server 2000/2005, Mongo db. Oracle 9i/10g-PL/SQL.
AWS Services	EC-2, ELB, VPC, RDS, IAM, CloudFormation, Terraform S3, CloudWatch, Cloud trial, SNS, SQS, SWF, EBS, Amazon direct connect.
Enterprise Servers & Middleware	JBOSS, Apache Tomcat, WebLogic, WebSphere, Nginix.
Containers & Orchestration	Docker, Kubernetes
Configuration management	Chef, Puppet, Ansible, Docker, Terraform
Scripting	Ruby, Perl, Python, bash shell, PowerShell.
Bug Tracking Tools	JIRA, SPLUNK, Fisheye, Crucible, RTC.

EDUCATION

Master's in computer science, Western Illinois University, Macomb, IL

WORK EXPERIENCE

Confidential Company, Bellevue, WA (remote) | Sept 2017 - Till Date
Sr. AWS/DevOps Engineer

- Manage Amazon Redshift clusters such as launching the cluster and specifying the node type as well.
- Expertise in managing AWS cloud resources EC2, S3, EBS, VPC, ELB, RDS, Elastic beanstalk, Cloud Watch and IAM.
- Creating, Adding, Deleting the security groups and controlling the traffic for EC2 instances.
- Configured Elastic Load Balancers with EC2 Auto scaling groups.
- Leveraged AWS cloud services such as EC2. Auto-scaling and VPC to build secure, highly scalable, and flexible systems that handled expected and unexpected load bursts.
- Used GIT as source code repositories. Managed GIT repositories for branching, merging, and tagging.
- Analyze and resolve conflicts related to the merging of source code for GIT.
- Integration of Automated Build with Deployment Pipeline. Installed Chef Server and clients to pick up the Build from Jenkins repository and deploy in target environments (Integration, QA, and Production).
- Configuring Servers to provide Networking Services, including HTTP/HTTPS, FTP, NFS, SMB, SMTP, SSH and LDAP.

- Experience with automated CM and maintained a CI/CD pipeline, deployment tools such as Chef, Puppet, or Ansible. Maintained build related scripts developed in ANT, Python and shell.
- Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
- Utilize Cloud formation and Puppet by creating DevOps processes for consistent and reliable deployment methodology.
- Used Terraform as Infrastructure as a code and Execution plans, Resource Graphs, Change Automation and extensively used Auto scaling launch configuration templates for launching Amazon EC2 instances while deploying Micro services.
- Implemented Terraform modules for deployment of various applications across multiple Cloud providers and managing infrastructure. Built Jenkins jobs to create AWS infrastructure from GitHub repos containing Terraform code.
- Maintaining servers and related infrastructure with Chef Configuration management tool.
- Created Ansible Playbooks for different environments for release and converted Puppet scripts into Docker
- Experience in writing Ansible playbooks. Experience in working with GIT to store the code and integrated it to Ansible Tower to deploy the playbooks.
- Configuration Automation using Ansible and Docker Containers. Automating the systems, configuring the servers and orchestrating the deployments through Ansible.
- Ansible Vault come handy where overcome and deploying secret files (SSH private keys).
- Integration of Automated Build with Deployment Pipeline. Installed Chef Server and clients to pick up the Build from Jenkins repository and deploy in target environments (Integration, QA, and Production).
- Design, develop, automate, deploy, scale and manage both private and public cloud environments.
- Built end to end CI/CD Pipelines in Jenkins to retrieve code, compile applications, perform tests and push build artifacts to Nexus.
- Using routers and switches defined and configured physical network topologies. Also, maintained and troubleshoot network infrastructure issues and TCP/IP Network services
- Provided consistent environment using Kubernetes for deployment scaling and load balancing to the application from dev through production, easing the code development and deployment pipeline by implementing Docker containerization with multiple namespace
- Used Kubernetes to deploy scale, load balance, scale and manage Docker containers with multiple namespace versions using SNI service in NGiNX.
- Involved in container-based deployments using Docker, working with Docker images, Docker hub and Docker registries, installation and configuring Kubernetes and clustering them.
- Extensively worked on Jenkins, Docker for continuous integration and for end to end automation for all build and deployment.
- Evaluated testing of Chef Recipes - Concept of Test-Driven Development for Infrastructure as a Code.
- Used Ansible to manage Web applications, Environments configuration Files, Users, Mount points and Packages.
- Experience in Docker, Kubernetes for the Container Security Engineer implementing monitoring/auditing security events on container and implement container network security detection.
- Involved in implementing container security tools like Twist Lock to provide an extra layer of security to Docker containers.
- Integrated Jenkins with various DevOps tools such as Nexus, SonarQube, Chef, Nagios, HP ALM and HP QTP etc.
- Experience in monitoring System/Application Logs of the server using Splunk to detect Prod issues.
- Experience in creating Docker containers leveraging existing Linux Containers and AMI's in addition to creating Docker containers from scratch.
- Responsible for large-scale Puppet implementation and maintenance. Puppet manifests creation, testing and implementation.
- Providing automation and deployment of applications inside software containers by providing an additional layer of abstraction and automation of operating system level virtualization on Linux using Docker.

- Coded API Proxy using Elasticsearch for Store Locator Functionality. Deployed web app on AWS EC.
- Evaluated testing of Chef Recipes - Concept of Test-Driven Development for Infrastructure as a Code.
- Worked with the development team to migrate Ant scripts to Maven.
- Written Chef Cookbooks for various DB configurations to modularize and optimize end product configuration and OS component configuration to keep AWS server's template minimal.
- Automated centralized configuration using Puppet.
- Built private cloud using VMware Vrealize suite technologies, and built self-service portals with automated OS deployment, network and storage allocation.
- Developed and implemented robust MVC pattern-based testing with Selenium Web Driver which cut down the script development time in half.
- Knowledge in Virtual servers including Docker, Vagrant environments.
- Worked on a migration project of moving current applications in traditional datacenter to AWS.
- Designed and Developed Test Cases for automated testing using Selenium, TestNG and Eclipse IDE.
- As part of the automation testing prepared regression test suite, designed test scripts in Selenium web driver using Java, executed scripts using CRAFT framework
- Participating in 24x7 production on-call support of Linux and provided technical support to users.
- Involved in editing the existing ANT/MAVEN files in case of errors changes in the project requirements.
- Configured Jenkins jobs with the ANT scripts for various deployments of JAVA/J2EE enterprise applications.
- Setup Elastic Load Balancer for distributing traffic among the multiple WebLogic server
- Used Firebug to do web-based application testing with selenium for the commands and locator application.
- Environment: AWS Cloud, Redshift, Ansible, Jenkins, Puppet, Kubernetes, Docker, Nexus, Chef, Shell, Python, WebLogic Server 11g, Splunk, Apache, run deck, Tomcat 7.x, Maven, Ant, Nginx, MySQL, NoSQL, VMWare, EC2, S3, EBS, VPC, ELB, RDS, Elastic beanstalk, Cloud Watch, IAM, Elastic Search, Git, Active Directory XML, GitHub, GIT.

NTT Data GDS Pvt Ltd, Hyderabad | June 2015 -July 2017

DevOps Engineer

- Setting up the Ansible control machine (RHEL7) and configured the remote host inventories via SSH.
- Worked closely with the other development and operations team to understand complex product requirements and translated them into automated solutions.
- Involved in AWS architectural design to provision the AWS resources.
- Used Terraform to manage the AWS and other cloud infrastructure. Managed servers using configuration management products like Ansible or Puppet.
- Designed and implemented Continuous Integration and Continuous Deployment frameworks from code to deploy using Jenkins.
- Designed and implemented automated provisioning and configuration frameworks in support of infrastructure-as-code.
- Setting up the Server spec on the local and writing the test cases to check the configurations and imptency of the remote servers.
- Used Kubernetes to deploy scale, load balance scale and manage Docker containers with multiple name spaced versions
- Used chef for server provisioning and infrastructure automation in different environments.
- Versioned the playbooks on the source code management tool GitHub.
- Used Jira for tracking and ticketing.
- Provided POC's to provision the AWS infrastructure using Ansible playbooks which includes checking the health status, monitoring and gathering facts about the ec2-instances, elastic load balancers, auto scaling groups and other AWS resources.
- Built Continuous Integration environment (Jenkins, Nexus) and delivery environment (puppet, Yum).

- Worked for DevOps Platform team responsible for specialization areas related to Chef for Cloud Automation.
- Integrating Nagios with other monitoring/alert solutions (Splunk).
- Involved in writing the packer scripts to generate the machine images for AWS.
- Configuring, Automating and Deploying Puppet for configuration management to existing Infrastructure.
- Managed the AWS cost cutting by writing the Ansible playbook for auto start/stop of AWS resources at a particular time of the day by triggering it from Jenkins.
- Implemented a production ready, load balanced, highly available, fault tolerant, auto scaling Kubernetes AWS infrastructure and microservice container orchestration
- Managed Kubernetes charts using Helm and manifest files to release helm packages.
- Implemented Chef Recipes for Deployment on build on internal Data Centre Servers. Also re-used and modified same Chef Recipes to create a Deployment directly into AmazonEC2 instances.
- Providing a test-driven development for Ansible by using Server spec. Written spec tests for checking if servers are configured correctly.
- Environment: GIT, GITHUB, Shell scripts, Maven, AWS, Jenkins, Ansible, Kubernetes, Confluence, Puppet, Chef, Jira, Splunk, Virtual box, Vagrant LINUX (RHEL7, CentOS), UNIX, AWS, Server Spec

Mindtree, India | April 2014 - June 2015

DevOps Engineer

- Worked on the AWS cloud to provision new instances, S3 Storage Services. Used EBS stores for persistent storage and performed access management using IAM service.
- Launching Amazon EC2 Cloud Instances using Amazon Images (Linux/ Ubuntu) and Configuring launched instances with respect to specific applications.
- Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
- Responsible for day to day Build and deployments in Dev, Test, pre-production and production environments. Implemented AWS high availability using AWS Elastic Load Balancing (ELB), which performed balance across instances in multiple availability zones.
- Created Chef Cookbooks and wrote recipes in Ruby Script to install and configure Infrastructure across environments and automated the process.
- Setup and build AWS infrastructure various resources, VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in CloudFormation JSON templates.
- Integrated Jenkins with various DevOps tools such as Nexus, Ansible and used CI/CD system of Jenkins on Kubernetes container environment.
- Utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build and test and deploy
- Wrote playbooks for Ansible and deploying applications using Ansible.
- Implemented and maintained Ansible Configuration management spanning several environments in VMware and the AWS cloud.
- Automate infrastructure creation, deployment and recovery using Ansible, Docker, and Jenkins.
- Created alarms in CloudWatch service for monitoring the server's performance, CPU Utilization, disk usage, maintained user accounts IAM, RDS, and Route53 services in AWS Cloud.
- Creating S3 buckets and managing policies for S3 buckets and a Utilized S3 bucket and Glacier for Archival storage and backup on AWS.
- Used configuration management tools Puppet, Docker for configuration management automation. CI/CD pipeline management through Jenkins.
- Administration and maintenance of Docker runtime environment, Versioning and lifecycle management of Docker images
- Wrote recipes to configure chef nodes.
- Used configuration management tools like Chef for configuring servers and authored Chef Cookbooks for automating the deploy processes web applications on tomcat server.
- Working in the implementation team to build and engineer servers for Linux & AIX operating systems.
- Automated AWS volumes snapshot backups for the enterprise using Lambda.
- Created functions and assigned roles in AWS Lambda to run Python scripts.

- Designed chef cookbooks & wrote Ansible playbooks to manage configurations and automate the installation process.
- Used GIT as Version Control System for two applications. Managed development streams and Integration streams.
- Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, Node.js, Python and Ruby on familiar servers such as Apache, and IIS.
- Installed and configured configuration tool such as Chef Server / workstation and nodes via CLI tools to AWS nodes.
- Managed Chef Cookbooks to automate the entire deployment process as well as infrastructure.
- Utilize Cloud formation and Puppet by creating DevOps processes for consistent and reliable deployment methodology.
- Setup Elastic Load Balancer for distributing traffic among multiple Web Logic servers and involved in deploying the content cloud platform on Amazon Web Services using EC2, S3 and EBS.
- Creating the AWS Security groups to enable the firewall.
- Environment: AWS Cloud, RedHat, Linux 7.x, Puppet, Jenkins, Shell, Python, Kubernetes, WebLogic Server 11g, Apache Tomcat 7.x, Gradle, Run deck, Maven, Puppet, MySQL, NoSQL, Active Directory XML, Chef, GitHub, GIT.

UCB Pharma Mumbai, India | Feb 2013 - April 2014

DevOps Engineer

- Involved in leading Automation Deployment Team by working with Puppet.
- Created Puppet manifests, profiles and roles module to automate system operations.
- Strengthening security by implementing and maintaining Network Address Translation in the company's network
- Performed and deployed Builds for various Environments like QA, Integration, UAT and Productions Environments
- Designing and implementing for a fully automated server build management, monitoring and deployment by Using DevOps Technologies like Puppet.
- Deployed J2EE applications to Application servers in an agile continuous integration environment and automated the whole process.
- Created reproducible builds of the Kubernetes applications.
- Designed, Installed, and Implemented Ansible configuration management systems.
- Maintained high availability clusters and standalone server environments and refined automation components with scripting and configuration management (Ansible).
- Installed Chef Server and clients to pick up the Build from GIT repository and deploy in target environments.
- Used chef server and workstation to manage and configure nodes, experience in writing ruby. Developed Perl and shell scripts for automation of the build and release process.
- Involved in editing the existing ANT/MAVEN files in case of errors or changes in the project requirements.
- Implemented CICD allowing for deploy to multiple client Kubernetes/AWS environments.
- Responsible for design and maintenance of the GIT, Stash Repositories, views, and the access control strategies.
- Deployment and management of web services with Tomcat and JBOSS provided end-user straining for all Tortoise SVN, JIRA users to effectively use the tool.
- Used Jenkins as a continuous integration tool for automation of daily process.
- Environment: J2EE, Linux, Maven/ANT, Puppet, Chef, Ansible. Jenkins, Tomcat, Kubernetes, JIRA, GIT, SVN, Python, Perl, Shell Scripts, UNIX/ Linux.