



Ashwini Nair

Sr. Cloud/DevOps Engineer

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PROFESSIONAL SUMMARY:

Over 8+ Years of successful professional experience as **AWS Engineer, DevOps Engineer, Build/Deploy Engineer and Release Management** and **Linux Administrator** with proven leadership and mentoring skills. Expertise in diverse Cloud Services , Build/release engineering tasks associated with the component / Artifactory binaries releases from Dev to Production environment. A team player with outstanding communication skills, possess hands-on IT expertise prioritizing **CI / CD, Infrastructure Automation Security, Release management, Cloud Resource Utilization, Microsoft Azure, Amazon Web Services.**

- Extensive Experience with different cloud domains which includes **Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP).**
- Proficient in **AWS services** such as **EC2, ELB, Auto-Scaling, S3, IAM, VPC, RDS, DynamoDB, CloudTrail, CloudWatch, Lambda, ElasticCache, Glacier, SNS, SQS, CloudFormation, CloudFront, Beanstalk, EMR, AWS Workspaces** etc.
- Migrated an existing on-premises application to AWS using **AWS Snowball, cloud formation, terraform.**
- Created **AWS** Launch configurations based on customized AMI and use this launch configuration to configure auto scaling groups and Implemented **AWS** solutions using various **AWS** services.
- Implemented **AWS Lambda** functions to run scripts in response to event in **Amazon Dynamo DB table, S3 buckets, HTTP** requests using **Amazon API Gateway.**
- Implemented **Terraform** as **Infrastructure as a code** for execution plans, resource graph, change automation and managed cloud infrastructure as code using Terraform. Experience in Orchestration and migration of **CI/CD** processes using **Cloud Formation** and **Terraform Templates.**
- Used **Terraform** to manage multiple servers and controlled cross-cloud dependencies which streamline management and orchestration.
- Codified production environment using **Terraform** and then shared with **staging, QA and Dev** and used these configurations to vertically spin up new environments to test.
- Expertise in managing **Microsoft's Azure infrastructure, Azure web roles, worker roles, SQL Azure, Azure storage, Azure AD licenses, Office 365, Azure.** Virtual machine backup and recover from a recovery services **vault** using **Azure powershell** and **portal.**
- Experience in dealing **Windows Azure IaaS - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways, Auto-Scaling.**
- Extremely skillful in Designing and implementing **Microsoft Azure** Solutions across a range of cloud models like **SaaS, PaaS, IaaS**, and integrated on-premise, on-demand workloads with the **Azure public cloud.**
- Controlled **Version Control Systems/ Source Code Repository** tools like **Subversion, GIT, CVS, GitHub**, Performance maintaining/troubleshooting the **CM tool** in UNIX and Windows environments.
- Significant work experience on **Jenkins/Hudson/Bamboo/TeamCity** by installing, configuring and maintaining for **continuous integration (CI) and continuous deployment (CD).**
- Hands-on experience in using Configuration management tools like **Ansible, Chef** and **Puppet** to create reusable Server configurations for easy adaptation across diverse applications and environments.
- Experience working with **Chef Enterprise** and **Chef Open Source, Chef DK, Chef Workstation, Chef Server, Chef-Client.**
- Installed,configured and automated tool **Puppet** that included the installation and configuration of the **Puppet master, agent nodes** and an **admin control workstation.**
- Knowledge and Ease in working on **Ansible Playbooks, Inventory files, Vault feature** to configure the servers, deploy software, encryption of data file & orchestrate continuous deployments for zero downtime rolling updates. Worked on **Ansible Tower** which provides an easy-to-use dashboard, & role-based access control.
- Worked on **Ansible** to provision **AWS services** and infrastructure automation in a SaaS environment and for dynamic scaling-up and scaling-down of machines.
- Expertise on **Ansible** for configuring and managing computers, combining multi-node software deployment, adhoc task execution, and configuration management.

- Proficient in Containerization tools such as **Docker, Kubernetes, Openshift** and handled several Docker components like **Docker Engine, Docker-Hub, Docker Compose, Docker Registry, Docker Swarm** and Orchestration tools such as **Kubernetes**.
- High ability working with container based deployments using **Docker, Docker images, Docker file, Docker Hub, Docker Compose and Docker registries**. Worked on **Docker Container snapshots, attaching to a running container, removing images, managing directory structures and managing containers**.
- Extensively worked with **Scheduling, deploying, managing container** replicas onto a **node cluster** using **Kubernetes** and experienced in creating **Kubernetes clusters** work with frameworks running on the same cluster resources.
- Proficient knowledge with **Mesos** providing the fine-grained resource allocations for **pods** across **nodes in a cluster**.
- Used **Kubernetes** to manage containerized applications using its nodes, ConfigMaps, selector, Services and deployed application containers as **Pods**.
- Controlled **Windows VMware** Services like **PaaS, IaaS** and worked on **VMware PaaS** storages.
- Managed **Sonatype Nexus/Artifactory** repositories for the **maven** artifacts and dependencies.
- Proficient in **Ruby, Perl, Power Shell, JSON, YAML, Groovy, Bash/shell, Python**. Developed **python, shell** scripts for automation of the **build and release process**.
- Worked on **ELK** architecture and its implementation. Handled installation, administration and configuration of **ELK stack** on AWS and performed Log Analysis.
- Used **ELK Stack (Elasticsearch, Logstash and Kibana)** for monitoring the servers using Metric beat daemons that assembles metrics from server, drop it in **Elasticsearch or Logstash**, and analyzed that metrics using **Kibana**.
- Experience in **System Administration, System Builds, Server builds, Installs, Upgrades, Patches, Migration, Troubleshooting, Security, Backup, Disaster Recovery, Performance Monitoring and Fine-tuning** on **UNIX Red Hat Linux Systems**.
- Involvement in installing, configuring, updating, supporting and troubleshooting different services like **LAMP (Linux, Apache, MySQL, PHP)**, OS level concerns, Web Servers (Apache Web Server, Nginx, JBoss, Apache Tomcat web server, IIS Server, Oracle web logic, and IBM WebSphere).
- Experience in database technology and warehousing such as **MySQL, PostgreSQL, Aurora, and Redshift including NoSQL databases such as Apache, MongoDB, and Dynamo DB**.
- Expertise in creating of **Active Directory** and Network Fundamentals, Protocols such as **TCP/IP, DHCP, DNS** and Group Policy.
- Hands on experience on working with System health and performance Monitoring Tools like **Sumologic, Nagios, Splunk, Cloud Watch, New Relic, Elastic search, Kibana, App Dynamics etc**.
- Worked in an **Agile development** team to deliver an end to end continuous integration/continuous delivery product in an open source environment using tools like Puppet & Chef.
- Implemented Spark using **Scala, Java** and utilizing Data frames and **Spark SQL API** for faster processing of data.
- Developed based **API (RESTful Web Service)** to track sales and perform sales analysis using Flask, SQL.
- Developed and designed an **API (RESTful Web Service)** for the company's website.
- Working on designing and deployment of Hadoop cluster and various Big Data analytic tools including **Spark, spark streaming, Kafka, Hive, HBase, and Oozie with MapR distribution**.
- Excellent Knowledge of **Cassandra Architecture, Cassandra data modelling & Monitoring Cassandra using Opscenter**.
- Well versed with **Software development (SDLC), Test life cycle (STLC), and Bug life cycle** and worked with testing methodologies like waterfall and **agile methodology (SCRUM)** with in-depth understanding of the principles and best practices of **Software Configuration Management (SCM)**
- Good knowledge on ITIL Process and have worked on coordinating releases across the projects.
- Strong understanding on system administration, configuration and customization of **Atlassian tools** like **Bitbucket, JIRA and Confluence**. Involved in setting up **JIRA** as defect tracking system and configured various workflows, customizing JIRA and Confluence to take the forefront of the new systems.
- Experience in Bug Tracking, Project Management tools like **JIRA, ClearQuest and HP Quality Center**.
- Highly organized, detailed oriented, able to plan, prioritize work and meet deadlines; work well under tight deadlines. Excellent communication, interpersonal, intuitive, and analytical and leadership skills with ability to work efficiently in both independent and team work environment.

Technical Skills:

CI /CD Tools	Jenkins, Bamboo, Hudson, TeamCity
Build Tools	Ant, Maven.
Configuration Management Tools	Chef, Puppet, Ansible
Monitoring Tools	Sumologic, Nagios, Cloud Watch , Splunk ,ELK, New Relic, App Dynamics.
Bug Tracking/Ticketing tools	JIRA, Bug Zilla, Clear Quest.
Cloud Services	Amazon Web Services (AWS), Microsoft Azure, Google cloud Platform
Private Cloud	Rackspace
Source/Version Control Tools	Subversion, GIT, ClearCase, Perforce
SDLC	Agile, Waterfall.
Database	MySQL, NoSQL, PL/SQL, DynamoDB, Redshift, MongoDB, PostgreSQL
Web/App Servers	Apache HTTPD, NGINX, Node.js, Apache, Tomcat, JBOSS, WebLogic, Websphere
SSH tools	Xshell5, Putty
Operating System	Windows XP/7/8/10, RHEL 6/7, CentOS, Ubuntu, Fedora, Debian, iOS
Languages	PowerShell, HTML5, Linux Bash, Python, Ruby, Java, .net, Go Lang
Networking & Protocols	TCP/IP, Telnet, HTTP, FTP, SNMP, LDAP, DNS, DHCP, POP3, NFS, TLS/SSL, DHCP.
Repository Management	GitHub, Bitbucket
Virtual/VM's	Oracle Virtual Box, Vagrant, VMWare workstation, VMware EXSi
Containerization	Docker, Kubernetes
SaaS	PagerDuty

Professional Experience:
Client: Levi Strauss & Co, San Francisco, CA

Jan 2018 – Till date
Roles: Sr. DevOps-Release Engineer. Responsibilities:

- As a Sr. DevOps-Release Engineer at Levi Strauss & Co. , I predominantly worked and coordinated on deployment, testing, and implementation

on of the release process and on defining the various procedures to guarantee smooth and timely delivery of software products or updates into the non-production environments and their promotion and deployment to the production environment.

- Controlled managed and trained the offshore teams in India on the release management process and created various reports and processes, to achieve their targets and deliverables.
- Responsible for architecting, designing, implementing and supporting of **DevOps** and **AWS cloud** based infrastructure and its solutions.
- Designed and implemented multiple deployment strategies using CI&CD Pipeline through automation with enterprise **GitHub, Jenkins, Sonar Nexus, Docker** and **AWS AMI's** in Linux environment.
- Migrated on premise database to AWS Cloud and designed, built, and deployed a multitude application utilizing the **AWS stack** (Including **EC2, R53, S3, RDS, SNS, and IAM**), by focusing on high-availability, fault tolerance, and auto-scaling.
- Supported administration of **AWS S3 account, Redshift and RDS cluster creation**, data migration between different **(Availability zones) AZ's**.
- Executed **MySQL, AWS DynamoDB** and **ElastiCache** to perform **database administration**.

- Extensively worked on **AWS Redshift** database development with copying data from **S3**, **Insert Bulk records**, **created schema**, **cluster**, **tables** and **tune the queries for better performance**.
- Created monitors, alarms and notifications for **EC2 hosts** using **CloudWatch**.
- Deployment to **AWS** with **Chef** and **Terraform** towards AWS and using Terraform and Cloud Formation template for building, updating, and versioning infrastructure securely and cost-effectively, as well as creating custom in-house solutions with Chef configurations.
- Orchestrated and migrated **CI/CD processes** using **Cloud Formation**, **terraform templates** and **Containerized** the infrastructure using **Docker** setup in **Vagrant**, **AWS** and **Amazon VPCs**.
- Created **Terraform modules** to create instances in **AWS** & automated process of creation of resources is **AWS using terraform**.
- Automated the cloud deployments using **chef**, **python** and **AWS Cloud Formation Templates**. Managed Cloud Services using **AWS Cloud Formation**, which assisted developers and businesses an easy way to create an assortment of related **AWS resources** and provision them in an orderly and predictable fashion.
- Applied **Amazon Elasticsearch** Service to deploy, operate, and scale **Elasticsearch clusters** in the **AWS Cloud**. Build and produce **REST service** for custom Search service on **AWS Elastic Search**.
- Operated **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**.
- Configured **AWS IAM** and Security Group in Public and Private Subnets in VPC and worked as Admin for AWS in managing the user using IAM for the AWS access.
- Migration the on-premises **MySQL & PostgreSQL** databases to **AWS** cloud by using **EC2**, **RDS** and Unmanaged cloud data migration tools like **rsync**, **S3 CLI** and **Glacier Vault**.
- Configured and maintained **Jenkins** to implement the **CI process** and integrated the tool with **Ant** and **maven** to schedule the builds. Analyzed and resolved conflicts related to merging of source code for **SVN** and **Git**.
- Predominantly used **GIT** as source code management tool: creating local repo, cloning the repo, adding, committing, pushing the changes in the local repositories, saving changes for later (Stash), recovering files, branching, creating tags, viewing logs, pulling latest commits, etc.
- Monitored **Cloud Front** to deliver content from **AWS** edge locations to users, allowing for further reduction of load on front-end servers and utilized **AWS CLI** to automate backups of ephemeral data-stores to **S3 buckets**, **EBS** and create nightly AMIs for mission critical production servers as backups.
- Experience migrating infrastructure and application from on premise to **AWS** and from **Cloud to Cloud** such as **AWS** to **Microsoft Azure** and **GCP**
- Migrating the **AWS EC2** instances workloads to **Microsoft Azure**, replicating the **VMs**, configuring and testing the Planned Failovers in Azure. **Aligned Azure** and **AWS** capabilities and services with work load requirements. Worked as an administrator on **Microsoft Azure** and part of **DevOps Team** for internal projects automation and build configuration management. Involved in configuring virtual machines, storage accounts, and resource groups.
- Created **Docker images** using a **Docker file**, worked on **Docker container** snapshots, removing images and managing **Docker volumes**. Expertise in setting up **Docker Host**, **Docker Registry**, **RHEL/ Centos Atomic Host**, **Docker images (Centos, RHEL and Ubuntu instances)**.
- Used **Kubernetes** to manage containerized applications using its nodes, ConfigMaps, selector, Services and deployed application containers as Pods.
- Implemented a production ready, load balanced, highly available, fault tolerant **Kubernetes** infrastructure and created Jenkins jobs to deploy applications to **Kubernetes Cluster**.
- In **Kubernetes** created services in order to deploy the services. Apart from this created replica sets, deployments, and defined type of service as like elastic load balancer which meets the end user as a service and configured the **route 53** in **AWS** and defined domain names at perfect URL for the end users.
- Administered and Engineered Jenkins for managing weekly **Build, Test and Deploy chain**, **SVN/GIT** with **Dev/Test/Prod** Branching Model for monthly releases.
- Built end to end **CI/CD** Pipelines in **Jenkins** to retrieve code, compile applications, perform tests and push build artifacts to **Nexus** using **Nexus** artifactory plugin.
- Implemented zero downtime deployment process in **WebLogic** using python and shell script and automated it using Jenkins.
- Installed, configured, monitored **Apache Cassandra** Prod, Dev and Test clusters
- Troubleshoot read/write latency and timeout issues in **Cassandra**
- Administered **Splunk** internal environment through log file resizing, queue parameter changes, dispatch directory folders cleaning. Expertise in creating **Splunk** Reports with various scheduling options and cron notation.
- Proficient in developing **Web Services (SOAP, RESTful)** in **python** using **XML**, **JSON**.

- Well versed with many different concepts of **Chef like Roles, Environments, Data Bags, Knife, Chef Server Admin/Organizations**.
- Scripted **Chef Cookbooks** for various DB configurations to modularize and optimize product configuration, altering production support scripts to **Chef Recipes** and **AWS server** provisioning using **Chef Recipes**.
- Used **Sumologic, AWS Cloud watch** and **New relic** as a monitoring tool to identify and resolve infrastructure problems before they affect critical processes.
- Experience with **Akamai CDN** for Content delivery across **US/CA/EU(Europe)** regions for **Levi's eCommerce** projects.
- Managed **Nexus repository** for the current project created a new repository and provisioned it. Co-ordinate with QA to integrate test data management processes and test suites into the build environment.
- Marked as one of the smoothest transitions / releases with 100% closure on defects and issue less release. MARKED AS A 100% SUCCESSFUL ZERO-DEFECT RELEASE.

Environment: AWS Cloud Services, Chef, Microsoft Azure, Sumologic, New Relic, Nexus, Python, WebLogic, SAP hybris, SVN, GIT, Docker, Kubernetes, Splunk, MySQL, PostgreSQL.

Client: Johnson & Johnson, Tampa, Florida.

Dec 2015 – Dec 2017

Role: Sr. Cloud /DevOps Engineer.

Responsibilities:

- Coordinated with scrum teams have the right requirements, direction, and resources from product inception to delivery to support infrastructure needs and understand what they are expecting from DevOps team
- Hands on experience in **Azure Development**, worked on **Azure web application, App services, Azure storage, Azure SQL Database, VMs, Fabric Controller, Azure AD, Azure Search** and **notification hub**. Experience in using Azure service fabric to package, deploy and manage scalable and reliable microservices and containers.
- Proficiency in **Automating, Configuring and Deploying** Instances on **Azure environments** and in Data centers and migrating on premise to **Windows Azure** using **Azure Site Recovery** and Azure backups.
- Experienced in **Azure IaaS**, Provisioning VM's, Virtual Hard disks, Virtual Networks, Deploying Web Apps and Creating Web-Jobs, **Azure Windows server, Microsoft SQL Server, Microsoft Visual Studio, Windows PowerShell, Cloud infrastructure**.
- Experience in Designing **Azure Resource Manager (ARM)** templates and extensive experience in designing custom build steps using PowerShell.
- Implemented Backup and Restore for the application data using **Azure**, Worked with security team to make sure Azure data is highly secure and configured BGP routes to enable Express Route connections between on premise data centers and **Azure cloud**.
- Setting up **VPN-VPN** connection between Client data center and **Azure cloud**. Built domain controller including active directory, managing all Window servers.
- Designed and configured **Azure Virtual Networks (VNETs)**, subnets, **Azure network settings**, DHCP address blocks, DNS settings, security policies and routing.
- Experience **Active Directory, Azure Active Directory, ADFS, Azure Active Directory Domain Service, SSO** and MFA and security.
- Constructed and configured **VM's** availability sets using **Azure portal** to provide resiliency for **IaaS** based solution and scale sets using **Azure Resource Manager** to manage network traffic.
- Involved in Designing and implementing **CI (Continuous Integration)** system: configuring **Jenkins servers, Jenkins nodes**, creating required scripts (**Perl & Python**), and creating/configuring VMs (Windows/Linux).
- Expert level experience working with **TFS 2013/2015/2017/2018**, Visual Studio, Release Manager to configure **Continuous Integration, Testing and Deployment (CI/CD)**.
- Migrated the Source code from **TFS2012 to TFS 2015**.
- Worked on the Build Automation in **TFS 2015/2013/2012/2010/2008** using XAML files Customization, MSBuild, **TFSBuild.Proj**.
- Implemented a **Continuous Delivery** pipeline with Docker, **Jenkins and GitHub**, whenever a new GitHub branch gets started, **Jenkins**-our Continuous Integration server, automatically attempts to build new Docker container from it.
- Experience with **Docker, Kubernetes, Docker swarm** and **clustering** frameworks. Worked on creation of custom Docker container images, tagging and pushing the images.
- Implemented **Docker containers** to create images of the applications and dynamically provision slaves to Jenkins CI/CD pipelines.

- Used Docker to implement a high-level **API** to provide lightweight containers that run processes isolation and worked on creation of customized Docker container images, tagged and pushed the images to the Docker repository.
 - Worked on **Microservices** for Continuous Delivery environment using Docker and Jenkins.
 - Used **Kubernetes** to deploy scale, load balance, and manage Docker containers with multiple namespace versions.
 - Created **Ansible** roles in **YAML** and defined tasks, variables, files, handlers and templates. Created inventory and configured the **ansible files** for parallel development in **Ansible** for automating the **continuous delivery** process.
 - Worked on construction of **Ansible manifest files** to install **tomcat** on instances and to manage configuration files for multiple applications.
 - Created **Ansible** playbooks to automatically install packages from a repository, to change the configuration of remotely configured machines and to deploy new builds. Configured the **Ansible playbooks** with **Ansible Tower** so that other users can run them with just a push of a button.
 - Created and used **Ansible templates** to create customized configuration files for hosts and used **Ansible Vault** in playbooks to protect sensitive data.
 - Performed job scheduling using **Ansible Tower**. Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using **Ansible playbooks** and has Integrated **Ansible** with **Jenkins**.
 - Maintained and managed **Ansible playbooks** responsible for deploying Framework and other cloud tools.
 - Managing and administering multiple instances of **GIT**, including the build server infrastructure, server-side scripts/SW to customize **GIT** and to tie in with other tools such as **Jira, Jenkins/Hudson**.
 - Worked with **MAVEN** as a build tools on java projects for the development of build artifacts on the source code. Maintained build related scripts developed in shell for Maven builds, created and modified build configuration files including POM.xml.
 - Experience in using **Nexus, Artifactory Repository Managers** for Maven builds.
 - Experience in data management tools like Splunk, ELK.
 - Created Log collection in **ELK (Elastic Search, Logstash, Kibana)** installed File Beat on all nodes in cluster to send log data to Logstash. Applied filters on log data before sending to Elastic Search.
 - Support **JIRA** Project Administration involving custom, complex projects, workflows, security schemes, custom fields etc.
- Environment:** Microsoft Azure Services, Azure SQL Database, Azure Virtual Networks , Azure VMs, Fabric Controller, Azure AD, Docker , Kubernetes, Ansible, Ansible Tower, GIT, Jenkins, Docker Swarm, JIRA, ELK (Elastic Search, Logstash, Kibana), Nexus, GIT, Maven.

Client: **FEDEX, Denver, CO**

Jan 2014– July 2015

Role: DevOps Engineer

Responsibilities:

- Coordinated with resources by working closely with Project Manager's for the release and Project Manager for all the Operational Projects. Performed and deployed Builds for various Environments like **QA, Integration, UAT and Productions Environments**
- Installation and Upgradation of packages and patches, Configuration management, Version Control, Service packs, troubleshooting connectivity issues and reviewing Security constraints. Performed **AWS Cloud administration** and managed **EC2 instances, Cloud Formation, VPC, RDS, SQS, ELB, Auto-scaling, S3, SES and SNS** services.
- Handled migration of on premises applications to cloud and created resources in cloud to enable this. Configured an **AWS (VPC)** and **Database Subnet Group** for isolation of resources within the **Amazon RDS, MySQL, DB cluster**. Created Buckets in **AWS** and stored files. Enabled Versioning and security for files stored.
- Created and generated detailed **AWS Security groups** which performs as **virtual firewalls** that controlled the traffic allowed to reach one or more **AWS EC2 instances**.
- Created **S3 Buckets** in **AWS** and stored files. Enabled Versioning and security for files stored and Implemented, maintained monitoring & alerting of production & corporate servers/costs using **AWS Cloud Watch**.
- Used **Maven** as build tool on **Java** projects for the development of build artifacts on the source code. Worked extensive with **MAVEN** build tools for writing **build.xml** and **pom.xml** files respectively.
- Managed the **Maven** Repository using **Nexus** tool and used the same to share the snapshots and releases of internal projects.
- Experience with **Source code management** and **version control** tools like **GIT** and **Bit Bucket**. Implemented & maintained the branching and build/release strategies utilizing **GIT**.
- Worked on setting up the new repos, managing the permissions for various **GIT** branches. Worked on **Git Merging, Git Stash & Git Rebase**.

- Performed **SVN** to **GIT** migration with careful analysis and migrated all branches, tags, along with commit history using **GIT - SVN** utility.
- Involved in implementation of **Jenkins** as a **Continuous Integration Tools** Have Experience on **Ruby** with **Chef** Automation tools
- Implemented the **Master - slave** architecture to improve the performance of **Jenkins**.
- Implemented **Jenkins** Workflow and Plugins for repeatable deployments of multi-tier applications, artifacts and services to **Docker and Red Hat**.
- Worked on **Docker containers** snapshots, attaching it to a running container, removing the images, managing the containers and setting up environment for development and testing for the redirection of ports and volumes.
- Designed **Docker tools** and Integration with different **Docker plugins** (Volume/Network) to carry out the goals.
- Virtualized the servers using the **Docker** for the test environments and dev-environments needs. And configuration automation using **Docker containers**.
- Experience with setting up **Chef Infra**, Bootstrapping nodes, creating and uploading recipes, node convergence in **Chef SCM**.
- Written/Developed **Chef Cookbooks** to automate the entire deployment process as well as infrastructure admin tasks.
- Composed **wrapper scripts** to automate deployment of **cookbooks on nodes** and running the **chef client** on them in a **Chef-Solo** environment.
- Implementing a Continuous Delivery framework using **Jenkins, CHEF, and Docker** in **AWS** on prime servers.
- Managed the **Maven Repository** using **Nexus** tool and used the same to share the snapshots and releases of internal projects.
- Parse the Application and System logs using **Python and PowerShell** for all business applications to proactively monitor and trace errors with automated email alerts to various teams internally.
- Implemented and Enhanced the Existing Scripts which are developed in **Shell, Power Shell, Ruby and Python**.
- Used **JIRA** as a **Change Management/ Work Management/SCRUM Agile Tool**.

Environment: **AWS Cloud Services**(EC2 instances, Cloud Formation, S3 ,VPC, SQS, ELB, Amazon RDS Auto-scaling, S3, SES and SNS) **Maven, SVN, GIT, Jenkins, Docker, Chef, Python, Powershell, Ruby.**

Client: **Mphasis Corporation, New York**

June 2012– Dec 2013

Role: **Build and Release Engineer**

Responsibilities:

- Release Engineer for a team 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.
- Identify new tools/technologies that will make the release and **SCM** process more efficient, repeatable, reliable and cost effective, managing all aspects of software configuration management process including code compilation, packaging/release methodology, and application configurations
- **Configuration Management** and **source code repository management** using tools like **GIT, SVN, and Perforce**.
- Initiated responsibility for administering the **SVN** servers which included install, upgrade ,backup ,adding users, creating repository /branches ,merging ,Writing hooks scripts, performance tuning, troubleshooting issues and maintenance.
- Designed and created multiple deployment strategies using **CI/CD** pipelines using **Jenkins**. Integrated **GIT** into Continuous Integration Environment using Jenkins to build and deploy applications to DEV, QA, and UAT, PROD environments.
- Extensively worked on Integrated delivery (**CI/CD process**) Using **Jenkins, Nexus, Yum and puppet**. Configured Jenkins for Automating Deployments and providing an automation solution.
- Designed and implemented fully automated server build management, monitoring and deployment solutions spanning multiple platforms, tools and technologies including **Jenkins Nodes/Agents, SSH**.
- Configured **Jenkins** as a common build engine Maintained over 100 jobs in **Jenkins** from 10 different application teams for over 4-5 releases in parallel.
- Design and scripting using **ANT & MAVEN** for (J2EE, Web services, Reusable JARS, Web Client and open source) in creating **MasterBuild.xml, Build, Properties & Pom.xml** files and provided technical support to development team for compilation problems.
- Deployed applications into PROD and pre-prod environments with various Application server technologies like **WebLogic, WebSphere, JBoss & Apache Tomcat**.
- Configure and Supporting monitor tools like Splunk and Nagios.
- Created **puppet manifests, profiles and roles** module to automate system operations.
- Deployed **puppet, puppet dashboard and PuppetDB** for configuration management to existing infrastructure.

- Provided end-users training for all **Tortoise SVN, JIRA** users to effectively use the tool.
 - Experience in managing large-scale, geographically-distributed database systems, including relational (**Oracle, SQL server**) and systems.
 - Developed and designed an **API (RESTful Web Service)** for the company's website.
 - Created and maintained the Python deployment scripts for Web Sphere V3.0 web application server
 - Developed **Perl** and **shell scripts** for automation of the build and release process.
 - Used **PagerDuty** as a **SAAS Platform** technology as **agile incident management system**.
 - Documented the entire build and release engineering process and provided on call support.
- Environment:** GIT, SVN, Perforce, Jenkins, Nexus, puppet, puppet dashboard, PuppetDB, Tortoise SVN, JIRA, Oracle, SQL, PagerDuty, WebLogic, WebSphere, JBoss & Apache Tomcat, ANT, MAVEN.

Client: Serco Pvt. Ltd, Hyderabad

June 2010 – May 2012

Role: Linux System Administrator

Responsibilities:

- Linux/Unix IT Administrator experience specialized in Application Support on **Redhat-Linux, CentOS, Solaris, IBM-AIX. and Windows environments.**
- Involved in installation, configuration, upgrading, patching and administration of Linux, UNIX and Windows Servers.
- Monitoring and log management on UNIX, Linux, and Windows servers, including processes, crash and swap management, and performance tuning.
- Maintained and monitored all of company's servers operating system and application patch level, disk space and memory usage, user activities on day-to-day basis.
- Maintained/configured virtual servers, Creation of VMs, cloning and migrations of the VMs on VMware **vSphere 4.0, VMware , HyperV.**
- Worked with DBA team for database performance issues, network related issue on Linux/Unix Servers and with vendors for hardware related issues.
- Scheduled and worked on design with Network team to re-architect **F5 load-balancers** to load-balance traffic anywhere in the company network.
- Implemented System policies and hardware profiles, hard disk configuration for fault tolerance, disk mirroring and back up the data using BACKUP devices.
- Used bash shell scripting to schedule and automate processes including full and incremental backups using tar, crontab, ufsdump and snapshots.
- Knowledge in Logical Volume Management on Linux with LVM Knowledgeable in **HTTP, HTTPS, FTP, SFTP, DHCP, DNS, SNMP TCP/IP, UDP, ICMP, VPN, POP3** protocols.
- Knowledge in **DNS, NIS, NFS, FTP, NIS, Samba Server, LDAP**, remote access, security management, and system troubleshooting skills.
- Troubleshooting and packet capture with **Net scout probes, Sniffer Pro**, and TCP dump. Use of network monitoring tools including **Cisco Works** and **Wire shark/Ethereal.**
- Comfortable in working in a Data center environment - swapping of disks, Attaching/Detaching storage, increasing Utilization.
- Performed backend development using open source toolset **LAMP stack (Linux , Apache, MySQL, PHP).**

Environment: RHEL 5.X, CentOS 5, Solaris, IBM-AIX, VMware, HyperV, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, SNMP TCP/IP, UDP, ICMP, VPN, POP3, Wire shark/Ethereal, Net scout probes, Sniffer Pro, Cisco devices.

Licenses & Certifications:

- | | |
|---|-------------------|
| • AWS Certified SysOps Administrator –Associate.
<i>Validation Number: 2X2C7YQC1BF4QE9Q</i> | November 08, 2019 |
| • AWS Certified Solution Architect-Associate.
<i>Validation Number: VTJZ23422EB1QXWM</i> | October 26, 2019 |
| • AWS Certified Developer-Associate.
<i>Validation Number: 54K13HE21MQQ1CKV</i> | October 18, 2019 |
| • LPIC -1 Linux professional certified. | January 25, 2018 |
| • CompTia Linux+ Certified. | |

Validate at: <http://aws.amazon.com/verification>