

Professional Summary:

Having 8+ Years of experience in IT, 3.4years as **DevOps engineer** and 5.4 as **SQL Server Administrator**. Currently into the fields of automation, configuration management and **Amazon web service** and handling the following activities.

- Expertise in using Git, Jenkins, Ansible and AWS services which reduces the effort of developers and operation team in performing maintenance and daily operations.
- Expertise in setting up maintaining CI &CD pipeline using tools like Jenkins, SonarQube, GitHub, Nexus & Jfrog artifact repositories.
- Expertise in setup and manage Kubernetes cluster on AWS by using tools like kops, kubectl, awscli.
- Experience in writing Kubernetes definitions files for pod, services, deployment, replication controls, & replication Set.
- Expertise in using versioning artifacts and stores in repositories.
- Expertise in Provisioning, Orchestration, Configuration nodes and deployment using Ansible.
- Expertise in writing playbooks in setting up complete application stack which includes services like Apache, Tomcat, Nginx.
- Expertise in roles in Ansible for reusability and scalability for other projects,
- Automated process of downloading artifacts from Nexus to CD pipeline using playbook in Ansible with Jenkins.
- Experience in installing, configuring, and administering Jenkins.
- Configured Jenkins jobs, install plugins for generating project artifacts.
- Experience in creating Jenkins Parallel job execution with Master, Slave to distribute load.
- Expertise on containerizing services & applications. On Docker containers to build the Docker images.
- Knowledge on using Docker for successful setup of DEV & TEST environment for Developers and Testers by using Docker Build & Compose.
- Expertise in AWS cloud services such as EC2, EBS, AMI, IAM, VPC, Cloud Watch, S3, Beanstalk, RDS, Route53, Auto Scaling, ELB.
- Experience in creating backups of EBS and restoring it in desired locations.
- Design high available, cost effective and fault tolerate systems using multiple EC2 instances, Auto Scaling, Elastic Load Balancer & AMIs.
- Setup & maintain Elastic Load Balancer for distributing traffic among multiple web servers.
- Securing and distributing network traffic by setting up high available VPC.
- Design roles and groups for users and resource tags using AWS Identity and Access Management (IAM).
- Manage network security using Security Groups & network security using monitoring tool like cloud watch.

- Experience in using Nexus for artifact storage and for downloading artifacts for deploying it to applications and for testing.
- Knowledge on shell scripting for automating tasks for regular usage and system operations.
- Actively participate in daily SCRUM meetings and perform daily risk analysis of backlogs.
- Knowledge in Configuring and managing build tool like maven.

Education Details:

- Btech IT in Sasi institute of technology and Engineering, Tadepalligudem, JNTU Kakinada 2011.

Technical Skills:

Configuration Management Tools	Ansible
Continuous Integration Tools	Jenkins/ Hudson
Operating Systems	CentOS and Ubuntu
Databases	SQL DBA, MySQL, NoSQL
Build Tools	Maven
Cloud Services	AWS
Version Control/Repository	Git, GitHub
Application Servers	Apache
Web Servers	Nginx, Tomcat
Scripting Languages	Bash, Xml
Virtualization	VMware, Docker
Command Line Editors	Vim, Vi, Nano,
Languages	JAVA, SQL
Monitoring Tools	Nagios, Cloud watch
AWS Services	EC2, VPC, S3, RDS, ELB, Auto Scaling, IAM, etc..


Professional Experience:

Company : IBM
Client : LBG (Lloyds Banking Group)
Role : Devops Engineer

Aug 2019 – Till date

Roles and Responsibilities:

- I have been working with a team whose key responsibilities are creating and managing infrastructure for developers, testers, and DB Admins in a way to accomplish automation.
- Configured Jenkins with maven build to generate the war files and archived them.
- Using Nexus to store the generate artifacts and versioning the artifacts with timestamp.
- Integrating GIT with Jenkins and Nexus in continuous integration and configured Jenkins with poll SCM build triggers.
- Ansible is the primary automation tool in configuring and deploying artifacts to several environments.

- As most of the infrastructure is hosted in AWS cloud and responsible for creating and managing EC2 instances.
- Optimized volumes and EC2 instances.
- Creating users and groups, provided security for authentication of resources using IAM.
- Providing infrastructure for production environments for installing of servers in load balancer, web servers and databases servers.
- Developing Ansible Playbooks for different scenarios to manage the infrastructure and integrating with **CI** (continuous integration), **CD** (continuous deployment).
- Converting playbooks into roles for reusability and scalability.
- Involved in writing playbooks for installing the different environments like **DEV, QA, UAT** for pre-production.
- Creating and maintaining the Jenkins slaves for distribution of load and run the parallel builds.
- Configured application servers (Apache Tomcat, JBoss) to deploy the code.
- Created and configured multiple instances on tomcat for different teams.
- Configure plugins for the integration tools to the version control tool.  Build java code in different Jenkins's servers as per the schedule.

Environment: Git, Maven, Ansible, Jenkins, Aws Cloud, Nexus, SQL, Jira, Nagios

Environment: Jenkins, Maven, Nexus, Git, Apache Tomcat, Ansible

Company : Unisys
Client : Unilever
Role : Build & Release Engineer

April 2017 – March 2018

Responsibilities:

- Created continuous integration system using SVN, Ant, Jenkins.
- Integrated Build Process through Jenkins to various SCM tools like GitHub, SVN.
- Used Jenkins as continuous integration tool: creating new jobs, managing required plugins, configuring the jobs selecting required source code management tool, build trigger, build system and post build actions, scheduled automatic builds, notifying the build reports etc.
- Used Git as source code management tool: creating local repo, cloning the repo, adding, committing, pushing the changes in the local repo, saving changes for later (Stash), recovering files, branching, creating tags, viewing logs etc.
- Prepare relevant documentation for releases such as Build/Release and Release Notes.
- Responsible to perform operations like build with Maven Scripts, while implementing the required modifications in the Maven Script to perform operations, in accordance with requirements of the project.
- Developed an automated, continuous, build process that reviews the source code, identifies build errors, and notified appropriate parties to expedite/facilitate synchronization to the latest build.
- Setting up the new build environment for various applications in Windows/Linux environment.

- Troubleshoot Build issues and coordinate with development team on resolving those build issues.
- Administered and Engineered Jenkins for managing weekly Build, Test and Deploy chain, SVN/GIT with Dev/Test/Prod Branching Model for weekly releases.

Environment: VMware, GIT/SVN, ANT/MAVEN, Jenkins, Tomcat, Nginx, Java, SQL, Linux, Xml, JIRA

Company : Tech Mahindra
Client : Ares Management
Role : Sr. SQL Server Administrator

April 2015 – March 2017

Roles and Responsibilities:

- Experience in performing all the activities once the server got build, performing server checks and all SQL health checks.
- Experience in importing and exporting of SSIS packages.
- Experienced in handling Production issue and on call support 24/7.
- Experience in SQL Server Backup/Restore.
- Experience in configuring in Transactional Replication of SQL servers.
- Protecting the databases by taking different kinds of Backups such as Full, Differential, and Transactional log backups.
- Managing Logins, Users, Roles and User Permissions.
- Restoring the databases from prod to test and dev servers.
- Expertise in configure, monitor and troubleshooting MS-SQL Server High availability methods such as Log Shipping, Replication, Mirroring, Always on.
- Establishing weekly maintenance plans such as Integrity check, Rebuilding indexes, Update statistics and monthly maintenance plans such as clean up history etc.
- Hands on experience in Clustering.

Company : IGATE Global Solutions
Client : Anthena Security Solutions
Role : SQL DBA

Feb 2013 – March 2015

Roles and Responsibilities:

- Undergone through formal training for SQL Server 2005, 2008 and 2008R2.
- Involved in System Environment and database Maintaining.
- Installing SQL Server, applying Service Packs.
- Creating and maintaining database and data files.
- Installation and configuration of Microsoft SQL Server and related products.
- Good understanding in Backup and Restore.

- User management and database security imposition by creation and granting of roles and privileges.

Personal Profile:

Name	:	Sam Cornelius Ch.
Date of Birth	:	17-Nov-1987.
Languages Known	:	English, Hindi, Telugu.
Nationality	:	Indian.