

Siri. GC

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PROFESSIONAL SUMMARY:

- Around **8** years of experience in designing build processes, Software Product Development, Process Automation, Build and Deployment Automation, Release Management, Source Code repository, Environment Management, Cloud Computing, and **Software Configuration Management (SCM)**.
- Expertise in Amazon **AWS cloud** which comprises services like **EC2, S3, VPC, ELB, RDS, IAM, Cloud Front, Cloud Watch, Elastic Beanstalk, and Security Groups**.
- Proficient in **AWS Cloud platform** and its features which includes **EC2, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Trail, Cloud Formation AWS Comfit, Auto scaling, Cloud Front, IAM, S3, and R53**.
- Experience working as DevOps engineer/Build & Release engineer for release automation of enterprise applications to achieve continuous integration and deployment (**CI/CD**) and **GCP**.
- Experience in Designing, Architecting, and implementing scalable cloud-based web applications using **AWS** and **GCP**.
- Implemented Amazon **EC2** setting up instances, **virtual private cloud (VPCs)**, and security groups. Set up databases in **AWS using RDS, storage using S3 bucket** and configuring instance backups to S3 bucket.
- Build and configure a virtual data center in the Amazon Web Services cloud to support Enterprise Data Warehouse hosting including **Virtual Private Cloud (VPC), Public and Private Subnets, Security Groups, Route Tables, and Elastic Load Balancer**.
- Proficient with container systems like **Docker** and container orchestration like **EC2 Container Service, Kubernetes**, worked with Terraform.
- Provided security and managed user access and quota using **AWS Identity and Access Management (IAM)**, including creating new Policies for user management in **JSON**.
- Experience with **DevOps tools such as Vagrant, Oracle Virtual Box, and IBM deploy, CVS, SVN, Gerrit, SonarQube, Docker, and Docker-compose**.
- Experience in developing applications based on Object-Oriented Programming (OOP) concepts, Java and web technologies including Core Java, Multithreading, Collections, **JDBC, JMS, J2EE, EJB, JavaScript, Servlets, Struts, Spring Core, MVC, bates, Hibernate, JSF, web services like SOAP, REST, WSDL and UDDI and in J2EE design patterns such as MVC, DAO, Singleton, and Factory methods**.
- Ability to build deployment, build scripts and automated solutions using scripting languages such as Shell scripting (kasha, Bash), **Python, Ruby, PHP PERL**.
- Hands-on Experience with **SAML** Templates for Sever fewer functions Like **Apigw, Lambda, Kinesis, Step Functions, Emir Clusters** and many more.
- Expertise in using various **Puppet features including Resource management (Package, Service, and File), User Management, Modules, Class, Definition, Templates, Factor, and external commands**.
- Experience in Configuring **HA** proxy for Jenkins, Gerrit, and SonarQube.
- Expertise in Build and release automation **CI/CD** tools like **Jenkins/Team City/Ansible/Bamboo/Docker**.
- Hands-on experience in migrating to **Cloud Platforms such as Amazon Web Services, Google Cloud Platform, Microsoft Azure, and cloud foundry**.
- Experience in implementing **Docker** for **wrapping** up the final code and setting up development and testing environment using **Docker Hub, Docker Swarm, and Docker Container Network**.
- Experience in version control using **SVN, GIT and GITHUB** and continuous integration management using **Jenkins**.
- Good knowledge of Firewall configuration and Network protocols, **DNS, Network Dispatchers**.
- Designed end-to-end automation of infrastructure and continuous delivery of the applications by integrating cloud formation **scripts, Jenkins, AWS and CHEF cookbooks** and recipes.

EDUCATION:

Bachelor of Computer Science in Gitam University, Hyderabad, India. 2015

TECHNICAL SKILLS:

Languages	Python, Ruby, Shell, JavaScript, Bash, Perl.
Operating Systems	Unix, Linux (Ubuntu, Debian, Red Hat (RHEL), Centos) and Windows.
Bug Tracking Tools	JIRA, Remedy, HP Quality Center, IBM Clear Quest, Mingle.
Web Technologies	JDBC, JSP, HTML, Java Script, XML
Package & Version Control Tools:	JIRA, Repo, CVS, GIT, VSS, Gerrit, Wire Shark
Database System	Oracle, Spark, Teradata, Mongo Db., Cassandra, Snowflake, MY SQL, SQL Server
Build Tools	Visual Studio, Make, Maven, Jenkins, Bamboo, And Anthill Pro
Database	My SQL, Version Control, CVS, GIT, CI
Application/Web Servers	Web logic, Tomcat, Boss
Monitoring Tools	Cloud Watch, Nagios, Network Protocols WinSCP, SSH, VPN
Versioning Tools	CVS, Subversion, GIT.

PROFESSIONAL EXPERIENCE:

Client: Pearson VUE – Bloomington, MA

May 2022 - Till Date

Role: Sr DevOps/Cloud Engineer

Responsibilities:

- Launching **Amazon EC2** cloud Instances using Amazon Web Services (Linux/Ubuntu/RHEL) and configuring launched instances with respect to a specific application.
- Worked in Cloud Automation using **AWS** cloud formation templates and implemented automated local user provisioning instances created in the **AWS** cloud.
- Automated the cloud deployments using **Chef, Python (boot& fabric) and AWS Cloud Formation** Templates.
- Plan, deploy, monitor, and maintain Amazon **AWS cloud** infrastructure consisting of multiple EC2 nodes and VMware VMs as required in the environment.
- Worked on google cloud platform (**GCP**) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager.
- Set up **GCP Firewall rules** to allow or deny traffic to and from the VM's instances based on specified configuration and used **GCP** cloud CDN (content delivery network) to deliver content from **GCP** cache locations drastically improving user experience and latency.
- Maintained the user accounts (IAM), **RDS, Route 53, VPC, RDB, Dynamo DB, SES, SQS and SNS services in the AWS cloud.**
- Jenkins with Master and Slave architecture in Open shift platform and automated the build jobs. Experienced in branching, tagging, and maintaining the version across the environments using **GIT**.
- Efficiently worked on building the data centres using **Amazon Web Service, installed images on Amazon web services using Jenkins/Hudson, GIT, and SVN.**
- Implement cluster services using **Docker** and **Kubernetes**.
- Administer, secure, and maintain multiple **Kubernetes clusters** to support a global service.
- Automating the infrastructure using **Ansible**, managing inventory files, and writing YAML scripts to automate daily tasks including **Kubernetes**.
- Managed **OpenShift** master, nodes with upgrades, and decommission them from active participation by evacuating the nodes and upgrading them.
- Deploying Linux **Kubernetes** Clusters with ACS from the Azure CLI.

- Experienced in installing, configuring, and administrating Jenkins on Linux machines alongside updating plugins like **GIT, Maven, and SVN**.
- Administered and Engineered Jenkins/Hudson for managing Builds Test and Deploy chain as a **CI/CD** for the next Gen Applications.
- Used **HP ALM, UFT, Rally, groovy, Jenkins, Control-M, Art factory, Kubernetes, Version1, Spew, Dockers, Soap UI**, and Load runner on this project for testing reporting and other processes at different stages.
- Installed and Configured Jenkins for Continuous Integration. And an expert in User Management and Plugin Management for **JENKINS**.
- Worked on User administration setup, maintaining accounts, monitoring system performance using Nagios and managing and monitoring the server and network infrastructure using Nagios.
- Monitoring of web servers using the **NAGIOS** monitoring tool.
- UNIX Shell/Perl scripting for job automation. And Creating zones for application
- Experience in setting up the **CHEF workstation**, chef-repo as well as **CHEF** nodes. And Involved in CHEF infra maintenance including backup/monitoring/security fix.
- Involved in release planning and executed the release build request from the project team through **JIRA** Ticket.
- Installed and Configured Jenkins Plugins to support the project-specific tasks.
- Interact with developers and **Enterprise** Configuration Management Team for changes to best practices and tools to eliminate non-efficient practices and bottlenecks.

Environment: AWS EC2, VPC, EBS, GCP, Lambda, AMI, SNS, RDS, EBS, Python, TFS, JSON, Java, puppet, Selenium web driver, Linux, Eclipse, Git, Ant, Maven, Kubernetes, Subversion, Cassandra, UNIX, SVN, Docker, Jira, Pearl, Ruby, Shell Scripts, Tomcat, Jenkins, Splunk, groovy, Apache.

Client: Thomson Reuters – Minneapolis, MN

Jan 2020 – April 2022

Role: AWS/DevOps Engineer

Responsibilities:

- Involved in designing and deploying a large application utilizing almost all **the AWS stack (Including EC2, Route53, S3, RDS, Beanstalk, SNS, SQS, IAM, ELB, VPC, Cloud Trail, Cloud Watch, Lambda, Cloud Formation)** focusing on high availability, fault tolerance, and auto-scaling in **AWS Cloud Formation**.
- Created the **VPC** infrastructure & created the ACLs, Subnets, Route Tables, Internet Gateway and **NAT** Gateway.
- Configured **IAM** to create new accounts, roles, and groups. Managing **IAM accounts** (with MFA) and IAM policies to meet security audit & compliance requirements. Setting up the group policies using JSON.
- Experienced with event-driven and scheduled **AWS Lambda** functions to trigger various **AWS** resources and worked on Lambda, for triggering events with cloud watch using Lambda functions.
- Creating and administrating Containerization platform with **Open shift, Dockers** and **Kubernetes**.
- Used **AWS CLI** for **EC2** creations and **S3** uploads and authenticated downloads. Set up the scripts for the creation of new snapshots and deletion of snapshots in **RDS**.
- Worked for 5 scrum teams (**Java, AEM, Jenkins, Ant, Maven, SVN, git, code hub, rally, Agile methodology, cucumber scripts, fortify can, sonar, XL Deploy, and XL Release, SharePoint, CI/CD** automation from scratch, Docker, Open shift)
- Migrations of Applications from On-prem to **Cloud, OpenShift** and **Kubernetes** Platforms.
- Deployed Active Directory domain controllers to Microsoft Azure using Azure **VPN** gateway.
- Generated reports by pulling Telemetry data from Azure **SQL** tables. Wrote custom queries to fetch the data for different time ranges, and for different ISVs.
- Migrated **SQL Server** database to Windows Azure **SQL** Database and updated the Connection Strings based on this.
- 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.
- Fine-tuned search engines and pulled data from different databases and migrated data back and forth using Oracle **PL/SQL**.
- Developer experienced in Automating, Configuring, and deploying instances on **AWS, Azure, PCF**, cloud environments, and Data centers.
- Application Deployment on **PCF** using Build pack and Docker.

- Integrated Active Directory Federation Service (ADFS) with PCF
- Deployed code on Web sphere Application Servers for Production, QA, and Development environments using **WSADMIN** scripts and integrated than with **Python/Python scripts** to enhance the functionality of the deployment process.
- Providing first-level support for application software issues in all environments, monitoring run-time environments using tools like New Relic, and Cloud Watch.
- Developed applications and methods with Python and reviewed code for server-side Python applications, connecting with Oracle and **MSSQL** Server.
- Experienced in developing Ansible roles and Ansible Playbooks for server configuration and Deployment activities.

Environment: AWS EC2, ECS, PCF, Cloud trail, XL Deploy, XL Release, Chef, Kubernetes, Puppet, Azure, ALM, SQL, TFS, Python, VPC, RDS, Route 53, SNS, Lambda, Networking, Jenkins, VPC.

Client: Finra – Englewood, CO

March 2018 - Dec 2020

Role: Site Reliability Engineer

Responsibilities:

- Analysed the **ANT** build projects for conversion and conversion to Maven build projects.
- Performed all necessary day-to-day **CVS/Subversion** support for different projects.
- Responsible for the design and maintenance of the **CVS/Subversion repositories** and the access control strategies.
- Configured Continuous Integration by setting up Build and test automation Jobs in Hudson/Jenkins by pointing to Orchestration and **UI layer Repositories** in GitHub/Subversion.
- Working with the team responsible for designing and maintaining an **EC2** hosting environment.
- Implementing and facilitating the adoption of the **DevOps Tools**, **Responsible** for the Build and Deployment of artifacts into **DEV, QA and UAT** environments in an agile continuous integration process.
- Working on Jenkins server Plug-ins and credentials to work with **GIT** Hub.
- Designing and implementing container orchestration systems with Docker Swarm and **Kubernetes**
- Creation of branches in **CVS** and Subversion for the parallel development process.
- Worked with the Architects on **SDLC** process being the owner of post-development environments.
- Carried out deployments and builds on various environments using Puppet continuous integration tool.
- Experience in working with Docker, **AWS**, and open stack.
- Well-versed with user and plugin management for Puppet.
- Wrote **ANT** and **MAVEN** Scripts to automate the build process.
- Worked closely with the development team and **SQA** team for product releases.
- Implemented Configuration Management, Change Management policies and procedures.
- Incorporated the Code Quality Tools Find
- Bugs and Coverture into **ANT** Projects.
- Deployed the static content to Apache web servers and applications to the Tomcat Application server.
- Used **JIRA** as a Change Management/ Work Management/ **SCRUM** Agile Tool.
- Build configured and support Application team environments.

Environment: Tortoise SVN, Java/J2EE, Jenkins, Open stack, Kubernetes, Python, Chef, Perl, Ruby, Shell, CVS, ANT, Maven, AWS, Puppet, GIT, Tomcat, Nexus, JIRA.

Client: Script Bees IT Pvt Ltd – India

Sep 2015 - Jan 2018

Role: Linux Administrator

Responsibilities:

- Installation, configuration, and upgrade of **red hat Linux 3/4/5, VMware 4/5/6** operating systems.
- Worked on **virtual and physical Linux hosts** and was involved in **day-to-day administrative activities** such as maintaining user accounts, password management, providing advanced file permissions to specific users etc.
- Configuring distributed file **systems** and **administering NFS server and NFS clients** as per system user requirements.

- Configuration management including the building of **LPARs using HMC** and configuring the hardware devices that support them.
- **P2V and V2V** conversions by using **VMware Converter**, Double Take, and Recovery Point Approach.
- Administration of **VMware ESX and ESXi Servers on Cisco UCS, HP Chassis 7000, DL380P GN8.**
- Experience in creating host profiles and deploying to hosts in a VMware cluster.
- Configured and implemented **NIS, DNS** master Slave servers along with required clients.
- The building, Installing, and configuring of **VERITAS Cluster Server and HP MC service Guard** Installed, configured and maintained services Apache, and Web servers.
- Configured **ESX 5.x, 4.x with SAN Attached storage** (LUN Assignments, Datastores).
- Involved in **P2V, V2P** Migration using Stand Alone VMware Converter Server and Plate Spin.
- Managing and implementing various projects with all phases of the life cycle for virtualization.
- Installation, configuration, and upgrade of **RHEL 5.x, 6.x, IBM AIX 7.1, HP UX, VMware 4.x,5.0,5.1,5.5, Windows 2008 R2, 2012 operating systems.**
- Implementation of **RAID** techniques and create disk groups and volumes, using VERITAS Volume Manager. Managing disks and file systems using **VERITAS Volume Manager (Viv)**. Used configuration management tool Puppet to automate server configuration.
- Monitored the system **CPU, memory, IDE/SCSI** disks, disk controllers, **RAID**, and network parameters using the tools **NAGIOS** monitoring system.
- Installed, Configured, and managed **ESX VM's** guests with the virtual center and VI clients.

Environment: RHEL/Centos 5/6, Windows 2003/2008 AD &SCCM, Solaris9, F5 Fire pass, Juniper IDP100, VERITAS Cluster Server (VCS), and VMware ESXi5.