**Surya Teja Challa Gundla**

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**SUMMARY**

* Over 7 years of IT Industry experience with Configuration Management, Build, Release Management and Quality Assurance using CVS, Subversion, Clear Case and GIT on UNIX and Windows environment.
* Excellent understanding of SDLC Methodologies like Agile, Waterfall, RAD and Devops processes.
* Implementation of U deploy with AWS services in DevOps Environment.
* Maintaining Scripting using Python.
* Extensive experience with Continuous Integration Tools (Jenkins, Hudson, Bamboo)
* Experience in using GIT and Rational Clear Case on UNIX and Windows environment.
* Created Process, policies, procedures and Release Notes for migration of SCM and CI Environment from Ubuntu to SUSE in DevOps.
* Server configuration management via Puppet
* Expertise in client-side design and validations using HTML5, CSS3, Java Script, jQuery, Ajax, AngularJS, NodeJS, Requires, BackboneJS and React JS.
* Extensive experience in developing single page applications (SPA)using various JavaScript frameworks like ReactJS, AngularJS, Backbone JS.
* Used Stack Driver Monitoring in **GCP**to check the alerts of the applications that run on the Google Cloud Platform and deployed on GCP using Google Cloud Deployment Manager
* Good experience in AWS architecture, Machine Learning (ML), Artificial Intelligence (AI) testing
* Created and wrote shell scripts (Bash), Ruby and Python for automating tasks
* Deploying IT service management processes for one of my clients, based on ITIL V3
* Extensible experience in setting up Baselines, Branching, Merging and Automation Processes using Shell, Perl and Python Batch Scripts.
* Experience installing and developing on ELK.
* Experience working with the release and deployment in JAVA, Android, IOS, C, C++, and ASP.net web applications environment.
* Experience with Azure transformation projects and Azure architecture decision making Architect and implement ETL and data movement solutions using Azure Data Factory (ADF), SSIS
* Experience in managing knowledge objects like dashboards, workflow actions using **Splunk** Power design
* Knowledge of databases like MySQL, MS SQL server, PostgreSQL, Oracle, IBM DB2 and NoSQL databases like MongoDB, Cassandra and AWS DynamoDB
* Expertise in building CI/CD on AWS environment using AWS Code Commit, Code Build, Code Deploy and Code Pipeline and experience in using AWS CloudFormation, API Gateway, and AWS Lambda in automation and securing the infrastructure on AWS.
* Built **Jenkins** jobs to create **AWS** infrastructure from **GitHub** repos containing terraform code.
* Wrote deployment Automation scripts for multiple JAVA/J2EE Applications.
* Used Ant/Maven for building Java/J2EE Applications.
* Basic knowledge of C, C++ and JAV.
* Experience in building data dictionary, functions and synonyms for NoSQL (Elasticsearch).

**TECHNICAL SKILLS**

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| **SCM Tools** | Subversion, Cleracase, GIT. |
| **Build Tools & CD Tools** | Make, ANT, Anthill, Bamboo, Maven, Hudson, Jenkins, NANT, MS Build, Udeploy |
| **Programming Languages** | Java/J2EE, Python, VB.NET, C#.NET,  |
| **Scripting Languages** | Python, Shell scripting |
| **Operating Systems& Servers** | Windows, UNIX, LINUX, Redhat Enterprise, Linux, CentOs |
| **Database** | Oracle, SQL Server, MySQL |
| **Web/Application Servers** | Web logic, JBoss, WebSphere, Apache Tomcat, IIS |
| **Infrastructure,Cloud and DevOps** | Windows and Unix based infrastructure using corporate datacenter and public cloud such as AWS (EC2, VPC, S3, RDS, SES, Elastic Load Balancer, Cloud formation, Elastic Beanstalk, Cloud monitoring, log aggregation, VMware, Chef, Docker, Vagrant & Puppet. Monitoring: Nagios, Zabbix, Azure and Cloud watch |

**EDUCATIONAL DETAILS:**

**Bachelor’s in Engineering from Visvesvaraya Technological University, Bangalore (INDIA).**

**Master’s in Computer Science from Gannon University, Erie, PA.**

**EXPERIENCE**

**Client: Home Depot, Atlanta, GA March 2020 till Date**

**Sr. DevOps Engineer / Cloud Engineer**

**Responsibilities:**

* Maintained and Administered Oracle Fusion Middleware 12c.
* Integrated JDeveloper to Gerrit code base.
* Designed and developed Micro Services business components and RESTful service endpoints using Spring MVC.
* Written Templates for **AWS** infrastructure as a code using **Terraform** to build staging and production environments.
* Manage deployment automation using **Puppet, Custom Puppet Modules**and**Ruby**.
* Used **Curator**API on Elasticsearch to data back up and restoring.
* Evaluated and documented existing web applications as per SDLC processes
* Developed single page applications (SPA) using AngularJS
* Worked with Terraform Templates to automate the Azure Iaas virtual machines using terraform modules and deployed virtual machine scale sets in production environment.
* Administered all aspects of **Agile** with Scrum processes
* Setting up and configuring of Nagios, improved monitoring in Nagios and custom plugins
* Built and Deployed Docker images on AWS ECS and automated the CI-CD pipeline.
* Implemented a **'server less'** architecture using **API Gateway, Lambda, and Dynamo DB** and deployed **AWS Lambda code** from Amazon S3 buckets
* Created User Defined Functions (UDFs) in Hive.
* Migrating from gitlab to docker and implementing gitlab inside docker
* Build and release of Cloud based products containing Linux and Windows environments, using PowerShell, TFS and Python Scripting.
* Automated deployment using configuration Management tool like Chef to provision AWS EC2 Instances to enable continuous Deployments.
* Worked on Puppet extensively for deployment of AWS EC2 instances, creating custom scripts and managing changes through Puppet master server on its clients.
* Involved in using **Terraform**and **Ansible,** migrate legacy and monolithic systems to Amazon Web Services (AWS**)**
* Automated jobs using different triggers (Event, Scheduled and Tumbling) in ADF.
* Performed Log analysis using ELK Stack (Elasticsearch, Logstash, Kibana) and created monitoring charts
* Used Splunk data Connector between Splunk Enterprise and Relational Database
* Cleaned input text data using **PySpark**Machine learning feature exactions API.
* Solid understanding and hands-on experience in Containerization by deploying them on to OpenShift platform.
* Created data-models for customer data using the Cassandra Query Language.
* Developed **CI/CD**system with **Jenkins**on Google's **Kubernetes**container
* Developed Single Page Applications (SPA) using ReactJS, Redux, webpack and grunt with a focus on performance.
* Worked on google cloud platform (GCP) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager
* Worked on the installation and configuration of the monitoring tool Nagios.
* Creating pipelines, data flows and complex data transformations and manipulations using ADF and PySpark with Databricks
* Root password management on all servers from centralized Puppet master server
* Designed a system using Kafka to auto - scale the backend servers based on the events throughput.
* Created and maintained user accounts, roles on **NOSQL**, production and staging servers.
* Created the CI/CD pipeline for different environments like J2EE, Spring Boot and ReactJS, **PostgreSQL** and **MySQL** using Jenkins
* Creating and maintaining containerized micro services and configuring/maintaining private container registry on Microsoft Azure for Hosting Images and using Windows Active Directory.
* Installed **Docker**in local machine to test our Serverless Applications Locally Using **SAM Local.**
* Implemented the MVC architecture using Backbone.js, Nodejs and ReactJS.
* Automated the build and deploy of SOA and OSB composites using Jenkins.
* Used AWS **Beanstalk**for deploying and scaling web applications and services developed with PHP, python, Java.
* Ratifying change and continuous improvement increasing the productivity of Scrum teams with quality of deliverables
* Automated middleware management of different environment using puppet/chef in Cloud (AWS)
* Used Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Develop automated JSON generation model from data in hive using java MapReduce
* Worked Extensively on building and maintaining clusters managed by **Kubernetes,** Linux, Bash, **GIT,** Docker, on **GCP**(Google Cloud Platform)
* DevOps role converting existing AWS infrastructure to Server-less architecture (AWS Lambda, Kinesis) deployed via **Cloud Formation.**
* Integrated GIT into Jenkins to automate the code check-out process
* Developed single page applications (SPA) using Angular 4, Typescript, HTML5, CSS3, and Bootstrap
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Create and maintain highly scalable and fault tolerant multi-tier AWS and Azure environments spanning across multiple availability zones using Terraform and CloudFormation.
* Managed integration of multiple Subversion repositories into SDLC, such as setup, maintenance and security
* Worked on Amazon **API gateway** in creating endpoints for various applications.
* Implemented with different Infra deployment options with **VSTS** package management system and **Azure**
* Created User defined types to store specialized data structures in Cassandra
* Created automated solution using Windows PowerShell to manage the backup of the primary file server and programmatically notify the administrator via email of the backup’s success or failure
* Created monitoring and reporting dashboards using **Elk, Splunk, data dog**
* Provisioned, Configured and administered required infrastructure for the CI/CD process in the **AWS Cloud**providing best practices for Containerization.
* Implemented DevOps best tools and practices such as centralized logging **(ELK)**server monitoring **Nagios**and Automation **Ansible.**
* Wrote custom script in puppet for package management (rpm, yum) in Red hat Linux.
* Application Insights, Internet of Things (IoT), Azure Search, Key Vault, Visual Studio Online (VSO) and SQL Azure.
* **Integrated GitLab into Jenkins to automate the code checkout process**
* Developed Python scripts to do file validations in Databricks and automated the process using ADF
* Responsible for Installing, setup and Configuring Apache Kafka and Apache Zookeeper
* Configuring JUnit coverage report and Integration Test cases as part of build in GitLab Runner
* Developed functionalities using NodeJS REST API.
* Implemented Kubernetes to deploy scale, load balance, scale and manage docker containers with multiple names spaced versions.
* Deployed Azure SQL DB with GEO Replication, Azure SQL DB Sync to standby database in another region & Fail over configuration
* Performed day-to-day operation and troubleshooting of **VMs**and **Docker swarm**in **Google Cloud Platform (GCP)**
* Conducted regular deployments for all the applications in QA and STAGING on Android and IOS platforms
* Configured **AWS ECS** for deploying and orchestrating containers by defining tasks and services
* Prepared and run test cases for AI (Artificial Intelligence) and ML (Machine Learning) for Chatbot.
* Built an on demand dedicated server hosting platforms using **Docker, Golang**and**Redis**

**Environment:** **Red Hat Enterprise Linux, Nolio, AWS, Azure, Puppet Enterprise, Java, Python, SVN, Maven, Jenkins, ANT, Git, GitHub, ITSM, Selenium WD,/Web logic Application Server, My SQL Server, Cassandra, Nexus, SVN.**

**Client: Kentucky Insurance, Florence, KY Feb 2019 to Feb 2020**

**Sr. DevOps Engineer / Cloud Engineer**

**Responsibilities:**

* Maintained and administered Microsoft Visual Studio is an application management service.
* Using Python Scripting in DevOps users to model and manage the entire application from load balancers to database.
* Setup a centralized login mechanism (ELK with File beat) based on **Docker.**
* Design and implement disaster recovery for the PostgreSQL Database
* Create develop and test environments of different applications by provisioning Kubernetes clusters on AWS using **Docker**, Ansible, and Terraform.
* Established and facilitated Scrum of Scrums allowing the DevOps program to scale in an Agile manner.
* Worked with Agile methodology in XL Deploy and XL Release, CI/CD automation.
* Implemented **TypeScript**and**Angular** to make modular component swapping **Single Page Application (SPA)**
* Created DevOps process chain for collaboration between Windows Azure **IaaS, PaaS,** and **SaaS** DevOps teams.
* Implemented using Databricks with Azure Data Factory (ADF) to compute large volumes of data
* Working in automated build and deployment process for iOS and Android apps
* Configured and Monitored **CI/CD** pipelines using **VSTS,** and**GIT.**
* Managed build results in Jenkins and deployed using workflows.
* Experience in C, C++, .NET development
* Automated middleware management of different environment using puppet/chef in Cloud (AWS)
* Preparing the low Involved in setting up Jenkins for continuous integration and continuous builds by polling the Git and GitLab repositories.
* Deployed Java/J2EE applications on to the Apache Tomcat server and configured it to host the websites
* Implemented Windows PowerShell scripts to monitor the event logs of critical windows servers in real-time and filter for specific errors
* Written Chef Recipes to automate our build/deployment process and do an overall process improvement to any manual process
* Manage existing high available application services using Linux RAC cluster and VERITAS CLUSTER server
* Have written unit tests for Terraform modules using Golang
* Created Branches, Labels and performed Merges in SDLC system Stash and GIT.
* and Lambda functions. Created Micro services using **AWS Lambda** and API Gateway using REST API.
* Defined **AWS Lambda**functions for making changes to Amazon **S3** buckets and updating **Amazon DynamoDB** table.
* Configured and managed **Nagios for monitoring** over existing **AWS Cloud platform**.
* Involved in the Code migration from TFS to Git repo
* Automated setting up server infrastructure for the DevOps services, using Ansible, shell and python scripts
* Deployed and optimized two tier **Java, Python**web applications to **Azure DevOps CI/CD** to focus on development by using services such as **Repos** to commit codes, **Test Plans** to unit test, deploy **App Service, Azure Application**
* Evaluate and recommend use of ML, AI, and data analytic services to enable action-based events and triggers
* Deployed NodeJS code to remote servers manually.
* Used Jenkins for automating Builds and Automating Deployments
* Developed Secure Single Page Application (SPA) by using Angular 6 and decouple client-side application from Server Side.
* Develop JSON Scripts for deploying the Pipeline in Azure Data Factory (ADF) that process the data
* Used log monitoring tool called ELK to see log information. Implemented new ELK cluster for enterprise logging.
* Use Smart view Monitor for configuring SAM Rules as well as monitor health of Firewalls
* Implemented **AWS** code pipeline and Created CloudFormation **JSON** templates for infrastructure as code
* Install and configure PostgreSQL and managing the same with collective.
* Creating applications and push them to a definable set of DevOps with Python.
* Deployed Spring boot based Micro Services, Docker container using Amazon EC2 container services and using AWS admin console.
* Involved in troubleshooting and merging C++ code in the weekly release candidate branch
* Using **Scrum** as a framework to manage all the features and activities of the project
* Worked with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems on Agile methodology.
* Involved in pulling the data from AmazonS3 data lake and built Hive tables using Hive Context in Spark.
* Implemented**AWS Elastic Container Service (ECS)** scheduler to automate application deployment in the **cloud**using**Docker** Automation techniques.
* Implemented a CI/CD pipeline involving **GitLab, Jenkins, Chef, Docker,** and Selenium to complete the automation from commit to Deployment.
* Migrated the source code repositories from GitHub to GitLab and wrote the GITLAB CI file for deploying some of the .NET components
* Design and Implemented Cloud Orchestration solution using Google Cloud, AWS EC2 & Microsoft Azure, Docker and Kubernetes.
* Worked on Puppet Configuration management tools.
* Proposed Branching strategies for implementing the Parallel development and suits the agile methodology for different Version control systems.
* Responsible for estimating the cluster size, monitoring and troubleshooting of the Spark Databricks cluster
* Wrote Ansible playbooks to launch AWS instances and used Ansible to manage web applications, configuration files, used mount points, packages and Worked on playbooks for Ansible in YAML
* Installed and configured Hadoop ecosystem using Horton Works as needed. Utilized search platforms Elasticsearch for indexing.
* Wrote PowerShell scripting for task automation and to schedule tasks.
* Involved in **Upgrade**of **Jenkins**& **Artifactory**Server by scheduling backups in **S3.**
* Managed continuous delivery in Microservices and Microservice Architectures.
* Installed and configured Docker to create Docker containers of NodeJS and Ruby apps.
* Migrating databases to datacenters to AWS RDS (cloud), while maintaining them
* Maintain and track inventory using Deploy and set alerts when the servers are full and need attention DevOps.
* Modeled the structure for multi-tiered applications orchestrate the processes to deploy each tier.
* Implemented a 'server less' architecture using API Gateway, Lambda, and Dynamo DB and deployed AWS Lambda code from Amazon S3 buckets.
* Created VPC, subnets, S3, ELB, Target Groups, ECS Cluster, Route53, Auto Scaling, Cloud Watch, Internet Gateway, Security Groups in AWS using Terraform code
* Used React Router to create a Single Page Application (SPA) which can bind data to specific views and synchronize data with server.
* Responsible to migrate legacy applications to AWS & Azure clouds as well as migration to SaaS solutions.
* Managed continuous delivery in Microservices and Microservice Architectures. For these microservices developed the infrastructure with Docker containerization.
* Have used Confluence to create, share and discuss content and projects on Python.
* Familiar and experienced with Agile Scrum development.

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**Environment:** **AWS, Java/J2EE, jQuery, Tomcat, Apache, Oracle 11g, SQL, Jenkins, Hudson, DevOps, Java, Ant, Maven, Jenkins, Hudson, Chef, Puppet, Java, Python, Perl, PowerShell, TFS, AWS, GIT, SVN, Apache Web server, JBoss, Apache JMETER, Meta Case, TFS, GIT, SVN, Windows.**

**Client: Delta Faucet, Jackson, TN Dec 2017 to Jan 2019**

**DevOps Engineer / Cloud Engineer**

**Responsibilities:**

* Involved in End-End implementation and Automation using software configuration management tools (Puppet)
* Involved in defining documenting and maintaining code deployment pilot automation project documents using Python.
* Worked with Atlassian tools like Bamboo & Jira.
* Implemented Micro Services based Cloud on AWS Platform and Spring Cloud Foundry.
* Implemented client-side Interface using React JS.
* Implemented the effective Data sizing of the **ELK**Cluster based on the data flow and use cases.
* Migrated data from Cassandra database to Amazon’s DynamoDB.
* Built NoSQL schemas using mongoose and Developed Rest API on NodeJS server.
* Worked with DevOps, Perforce, Assemble, Git and Jenkins.
* Managing the Infrastructure on Google cloud Platform using Various GCP services
* Used chef for server provisioning and infrastructure automation in a SAAS environment.
* Migrated the jobs from Jenkins to Gitlab both for the continues integration process
* Installed and configured MySQL and oracle database on Linux servers.
* Developed a parser to transform C/C++ code, using ROSE source-to-source translator
* Deployed Dynamic content to Web sphere Application server and DevOps Team.
* Used DevOps, Ansible Puppet and Gerrit
* Worked on PowerShell for creating Application Gateway and Load Balancer and their wiring
* Deployed and Maintained windows phone applications on Azure cloud technologies. Converted .Net application to Microsoft Azure Cloud Service Project as part of cloud deployment.
* Managed the **AWS Lambda Functions** configuration information based on requirements and built lambda functions using **Node.js, Python and Java.**
* Implemented Jenkins Code Deploy plugin and used to automate the build process and deploy the application to Tomcat server
* Wrote **Kafka** producers to stream the data from external rest APIs to **Kafka** topics.
* Extensively used **Terraform** in **AWS Virtual Private Cloud** to automatically setup and modify settings by interfacing with control layer.
* Automating the Google cloud platform Infrastructure using **GCP**Cloud Deployment Manager.
* Migrated 10 different on-premise full SaaS stack to Kubernetes.
* Infrastructure design for the Infrastructure design for the **ELK Clusters.**
* Experience in debugging the code deployment errors with the help of development team
* Drove releases, automated release process.
* Supporting a continuous integration platform which consists XL-Release, LARA, Ansible, Jenkins, Nexus, Stash(bit-bucket), Docker, Kubernetes
* Implemented **Azure,** self-hosted integration runtime in **ADF**
* Managed continuous delivery in Microservices and Microservice Architectures.
* Written puppet modules for Logstash, Elasticsearch and Kibana and Used puppet to measure the AWS metrics
* Working with AWS services such as EC2, VPC, RDS, CloudWatch, CloudFront, Route53 etc
* Developed unit and functional tests in Python and Java
* Work with Docker for convenient environment setup the test environments

**Environment:** **Java/J2EE, ANT, MAVEN, GIT, Red Hat Linux, CentOS, AIX, KVM, LAMP, Disk Suite, Veritas Volume Manager 4.0, LDAP, DNS, NIS, NIS+, SNMP, Shell scripting, Linux, Tortoise SVN, Jenkins, SENDMAIL, Apache, Puppet, Docker, Vagrant, Nagios, SVN, GIT, Splunk, WebSphere.**

**Client: Citi Bank, NYC, NY Jan 2017 to Oct 2017**

**DevOps Engineer:**

**Responsibilities:**

* Installed and configured Deploy for Automating Deployments and providing a complete automation solution.
* Integrated Subversion into DevOps, deploy to automate the code check-out process
* Maintained and administered GIT source code tool.
* Implemented Automated Cloud Infrastructure using Chef.
* Create develop and test environments of different applications by provisioning Kubernetes clusters on AWS using Docker, Ansible, and Terraform
* Working with AWS services such as EC2, VPC, RDS, CloudWatch, CloudFront, Route53 etc.
* Implemented Microsoft Azure and part of DevOps team for internal project automation and build configuration management. Involved in configuring virtual machines, Storage accounts and Resource groups.
* Worked on Cloud solution architecture on Amazon Web Services.
* Managed build results in Deploy and deployed using workflows in Deploy using DevOps.
* Involved in creating Virtual Machines in Azure and managing **Azure storage, Azure active directory and Azure Service Bus.**
* Automated the process of deployment to Apache Tomcat Application Servers by developing Perl Scripts.
* Improve speed, efficiency and scalability of the continuous integration environment, automating wherever possible using Python, Shell and PowerShell Scripts.
* Create puppet modules to manage configurations and implemented them on agents.
* Installed and configured Jenkins tools on Linux and windows platforms, manage slaves and installing Jenkins’s plugins.
* Exposed multiple bugs with a randomized pen tap input program written in C++.
* Implemented AWS Elastic Container Service (ECS) scheduler to automate application deployment in the cloud using Docker Automation techniques.
* Installed Ansible Registry for local upload and download of Docker images and even from Docker hub.
* Installed **SonarQube**as a**Docker container on Open stack, Azure, AWS EC2 and**integrated it with**Jenkins.**
* Implemented best practices of agile methodology to speed up the delivery process efficiently.
* Written Cloud formation templates and deployed AWS resources using it.
* Involved in editing the existing ANT/MAVEN files in case of errors or changes in the project requirements.

**Environment:** **Windows Solaris, UNIX, C++, Java, Eclipse 3.20, Ant, Jenkins, Perforce, Assemble, Git, Jenkins. JBoss Application Server, CVS, Subversion, VTFS, Jira and Cygwin, Subversion (SVN), Jenkins, Java/J2EE, ANT, MAVEN, Urban Code, Tomcat, Perl Scripts, Shell Scripts, XML, Linux, UNIX, Windows 7, JIRA.**

**Client: Tech Catalyst, India Aug 2014 to Oct 2015**

**DevOps Engineer:**

**Responsibilities:**

* Installed and configured Anthill Pro/Jenkins for Automating Deployments and providing a complete automation solution and relating it in Cloud systems.
* Created continuous integration system using Ant, JetBrains, Team City, full automation, Continuous Integration, faster and flawless deployments in DevOps system.
* Involved on migrating SQL Server databases to SQL Azure Database using **SQL Azure Migration Wizard** and used Python API to upload agent logs into Azure blob storage.
* Deployed applications on AWS by using Elastic Beanstalk.
* Developed DVD authoring software in C / C++ on Windows and Linux
* Responsible for implementing monitoring solutions in Ansible, Terraform, Docker, and Jenkins.
* Deploying IT service management processes for one of my clients, based on ITIL V3.
* Managed the build and release process for NAPI modules on Setup box.
* Involved in development and integration of BT Applications for profiles such as HSP/HFP, OPP and HID.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS CloudWatch.
* Deployed the static content into the web servers like Tomcat, I Planet, IBM HTTP Server.
* Created Puppet Modules to deploy, manage and maintain a large application of complex layers
* Maintained the user accounts (IAM), RDS, Route 53, VPC, RDB, Dynamo DB, SES, SQS and SNS services in AWS cloud.
* Deploying online planning and collaboration tools, to improve the effectiveness of distributed teams and contributors for DevOps Services.
* Creating Cloud System for New Stacks.
* Worked on Serverless services, created and configured HTTP Triggers in the Azure Functions with application insights for monitoring and performing load testing on the applications using the Visual Studio Team Services (VSTS) also called as Azure DevOps Services.
* Used PowerShell scripting for Automation - Creating VM’s, Virtual Networking, VPN, Key Vault, Load balancer and Disk Encryption
* Used Ansible playbooks to setup Continuous Delivery pipeline which consists of Jenkins to run packages and various supporting software components such as Maven, etc.
* 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.
* Begin investing in Continuous Integration and on-demand build and test systems with DevOps.
* Performed setup of Cloud clustered environment setups with Web sphere Application Server.
* Proposed and implemented branching strategy suitable for agile development in Subversion.
* Imported and managed multiple corporate applications in Subversion (SVN).
* Provided end-user training for all Subversion (SVN) users to effectively use the tool.
* Deployed Dynamic content to Application servers like WebSphere and WebLogic.

**Environment:** **Sun Solaris, UNIX, windows,** **SVN, ANT, NEXUS, Shell /Perl Scripts, XML, Business Objects, Soap UI, JAVA, J2EE, Jenkins, Maven, Tomcat, TFS, Perforce, Web Logic, Oracle, Windows, Servlets, PL Apache Application Server, SQL.**

**Client: P&G, India July 2013 to Aug 2014**

**System Admin:**

**Responsibilities:**

* Involved in user interactions, requirement analysis and design for the interfaces.
* Prepared the design document for Document Management Module and User Management Module.
* Created class diagrams and sequence diagrams using MS Visio.
* Followed waterfall methodology for application development.
* Promoting the changes from trunk revisions to release branch.
* Proposed and implemented branching strategy suitable for agile development in Subversion.
* Installed and configured Hudson/Jenkins for Automating Deployments and providing an automation solution
* Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers for GIT and Chef.
* Deployed the Java applications into Apache Tomcat Application Servers.
* Build server deployment on Cloud (EC2) servers with help of devops tools like Puppet.
* Involved in enhancement of SOA web services using AXIS to support .net applications.
* Written Oracle Admin schema using SQL, which creates Orion Oracle database instances in Oracle 10g and Oracle9i.
* Virtual Machine Backup and Recover from a Recovery Services Vault using Azure Cloud Shell and Portal. Used Power Shell for troubleshooting remote management of Azure Virtual Machines.
* Setting up and administering DNS system in AWS using Route53.
* Setup and maintained NFS, NIS, and TCP/IP network, configured the systems for TCP/IP Networking with the existing LAN, setting up SSH and SCP features between SUN systems and other Red Hat/UNIX hosts.
* Involved in migration of code in CORBA framework to Java/J2ee framework.
* Deployed ASP.NET web Application in Azure using Web App service, connected it to Azure SQL Database and used VSTS to provide CI/CD pipeline.
* Discussed and presented architectural designs to the senior management and client.

**Environment**:**Linux (Red Hat Enterprise, CentOS), Windows 2000/NT, HP, IBM, Solaris, Oracle 8, SSH Gate, Cisco routers/switches, Dell 6400, 1250, Sun E450, E250.**

**Client: Hexaware, India June 2012 to June 2013**

**Network administration**

**Responsibilities:**

* Worked on Troubleshooting server hardware and software remotely thru MOM (monitoring software).
* Deployed and configured, Windows 2000/2003 Servers, with DHCP, DNS, IIS, Active Directory Domain Controllers, Group Policy, Internet, TCP/IP, and Routing concept.
* Maintained and Administered GIT Source Code Tool.
* Worked on Serverless services, created and configured **HTTP Triggers** in the **Azure** Functions with application insights for monitoring and performing load testing on the applications using **Azure DevOps Services**.
* Acquired decent Knowledge on Linux Administration.
* Developed Shell for system administration activities.
* Installed Hard Disks, Memory etc.
* Troubleshoot IP protocol connectivity.
* Configured ELK stack in conjunction with AWS and using Logstash to output data to AWS S3.
* Worked on Troubleshooting Network Problem.
* Backup data using EMC Networker and other EMC Products.
* Troubleshoot logon process for users and windows services.
* Supported Windows 98, 2000 and XP desktops. Serviced 150 users.
* Maintained Domain Controller Active Directory, print and file servers, HP Proliant and IBM Xseries servers, and email accounts on Windows servers NT, 2000, 2003
* Upgrades, patches, backups, and network settings.
* **DevOps** role converting existing **Azure** infrastructure to server less Architecture deployed via **Terraform**.
* Written Cloud Formation Templates (CFT) in JSON and YAML format to build the AWS services with the paradigm of Infrastructure as a Code.
* Create Exchange accounts and allocate archive and .pst files for end users.
* Managed Servers and Reports using Puppet through host groups and puppet modules and manifests.
* Managed CPU Usage, Shared Memory, Disk Space Usage and Controlling Processes.

**Environment:** **CISCO 3600/2600 routers, DNS, DHCP, TCP/IP, RIP, FTP, TFTP, Terminal Services, SNMP, SMTP, NFS, NIS, NIS+, Microsoft Windows 95/98/2000/XP/2003, Linux.**