Vignan D

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# Professional Summary:

* Over 10 years of IT experience as Hybrid Cloud , DevOps Engineer, AWS Architect & Developer, Azure Developer Administrator, Google Cloud and Linux System Administrator working on server-based operating system kernel configurations on Red-hat Linux, CentOS, SUSE, Debian 7, Ubuntu 12.x/13.x, kernel Parameter & Tuning, Trouble Shooting System & Performance Issues. Extensive experience includes SCM, DevOps Build/Release Management, AWS, Change/Incident Management and Cloud Management.
* Experience in Configuration Management, Change.
* Release/Build Management, Support and Maintenance under Unix/Linux Platforms (REDHAT and CENTOS).
* In-depth knowledge in AWS cloud services like EC2, S3, VPC, Cloud Front, Route53, Cloud Watch, IAM, SQS, SNS and SES.
* Expertise in DevOps, Release Engineering, Configuration Management, Cloud Infrastructure Automation, it includes Amazon Web Services (AWS), Ant, Maven, Jenkins, Chef, SVN, and GitHub.
* Experience using Turbot to single sign-on into AWS Console, Azure Portal, Google Cloud Console and others to manage resources and develop applications.
* Experience in migrating objects as part of Release Management from lower tenants to production in Workday HCM cloud platform.
* AppDynamics Installation, Administration, Upgradation, Troubleshooting Console Issues & Database Issues.
* Good knowledge and experience in using Elasticsearch, CloudWatch, Nagios, Splunk, Prometheus and Grafana for logging and monitoring.
* End to End solution for hosting the web application on AWS cloud with integration to S3 buckets.
* Deploying, managing, and operating scalable, highly available, and fault tolerant systems on AWS.
* Expertise in DevOps, Release Engineering, Configuration Management, Cloud Infrastructure and Automation. It includes Amazon Web Services (AWS), bamboo, Ansible, puppet, SVN, GitHub, Nexus, Tomcat and Linux.
* Experience with Application Deployment Automation Tools like Ansible, Chef and Puppet.

# Educational Qualification:

B-TECH, ECE, JNTUH 2012

Masters in information security systems, University of Cumberland’s, USA 2016

AWS Certification: Validation Number: B6MHWPZCFNV4QM3D Microsoft Azure Administrator Associate: Certification number: H635- 8538

**TECHNICAL SKILLS**

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| --- | --- |
| **Cloud Environments** | AWS, Microsoft Azure, CI/CD |
| **AWS Services** | EC2, ELB, Cloud Formation, S3, Glue, SQS, EBS, Auto Scaling, AWS Lambda, Cloud Watch. |
| **Programming Languages** | Java/J2EE |
| **Scripting** | Shell Script, Batch Script, Power Shell, Python |
| **Version Control Tools** | GIT, GIT Hub |
| **CI Tools** | Jenkins, Dockers, Microservices, Terraform, Kubernetes, Google Kubernetes &  Engine (GKE), Puppet, Chef, Ansible (Tower) |

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| --- | --- |
| **Build Tools** | ANT, MAVEN, Spinnaker, SonarQube, Splunk, Nagios, Zookeeper |
| **Operating Systems** | Unix/Linux (Red Hat 5/6, CentOS), Solaris 9/10, Ubuntu 14, Windows, Mac. |
| **Network Protocols** | HTTP/HTTPS, DNS, TCP/IP, DNS, DHCP, Cisco Routers/Switches, WAN, LAN,  FTP/TFTP, SMTP |
| **Databases** | Oracle, MS SQL Server, MySQL, Dynamo DB, NoSQL, MongoDB, PostgreSQL |
| **Project Communication Tools** | MS-Office Tools, MS Outlook, Excel Sheets |
| **Bug Tracking Tools** | Azure DevOps |
| **Other Tools** | Post Man API, Salesforce |

**PROFESSIONAL EXPERIENCE:**

**Client: Con Edison, New York (Remote) Jun 2022 – till date Role: DevOps Engineer (AWS/AZURE/GCP)**

The Architect is responsible for building Solutions on Hybrid Architect. This individual ensures that system hardware, operating systems, software systems, and related procedures adhere to organizational expectations of availability and performance.

# Roles and Responsibilities:

* Understand the business requirements and propose optimal AWS infrastructure solutions.
* Experience writing docker file and building and pushing the docker image on to ECR Repo for and deploying helm charts.
* Architected end-to-end data warehouse solution and implemented using various AWS services like Redshift, Glue, S3,Alation,IAM,data pipeline, Cloud Watch, etc.
* Developed PySpark scripts and PSO for AWS Glue ETL jobs.
* Developed CloudFormation scripts to spin up RedShift clusters.
* Experience migrating applications and data from on-prem to AWS cloud using SMS.
* Build Ansible playbooks to automate provisioning and configuration management.
* Installed Marklogic, KAFKA, and New Relic plugins using Ansible playbooks.
* Develop Jenkins, Fastlane build pipelines to automate build process.
* Created ansible role to deploy FFM Baseline for the CA API Gateway platform.
* Created ansible role to install, configure and uninstall HAProxy.
* Define cloud network architecture using Azure virtual networks, VPN and express route to establish connectivity between on premise and cloud

Environment: Java, Micro services, GitHub, Chef, Ansible, Puppet, Jenkins, Bamboo, Tomcat, Apache, Python, Maven, Linux, Docker, Kubernetes, AWS EC2, AWS S3, AWS RDS, AWS Cloud Watch, ,Jboss, WebLogic, Jboss, Apache, Team city, GitHub, JIRA, Grafana Elastic Search, Splunk, AWS Red Shift, Oracle, Dynamo DB, AWS-RDS, Hadoop.

# Charter Communications, St. Louis April 2019 – May 2022 Role: DevOps Engineer (AWS/AZURE)

**Roles and Responsibilities**

* + Understand the business requirements and propose optimal AWS infrastructure solution.
  + Experience writing docker file and building and pushing the docker image on to ECR Repo for Jhub hub and

deploying helm charts on the awseks cluster.

* + Architected end-to-end data warehouse solution and implemented using various AWS services like Redshift, Glue, S3,EMR, Alation, IAM.
  + Developed PySpark scripts and PSO for AWS Glue ETL jobs.
  + Developed CloudFormation scripts to spin up RedShift clusters.
  + Evaluated Kubernetes for Docker container orchestration.
  + Configure Grafana to the dashboards.
  + Worked on google cloud platform (GCP) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager.
  + Create custom log metrics using Stack driver logging (GCP)and create charts and alerts using the custom log metrics.
  + Developed a continuous deployment pipeline using shell scripts in Jenkins.
  + Containerized all the ticketing related applications - Spring Boot Java and Node.Js applications using Docker.

Environment: Java, Micro services, GitHub, Chef, Ansible, Puppet, Jenkins, Bamboo, Tomcat, Apache, Python, Maven, Nexus, Linux, Docker, Kubernetes, AWS EC2, AWS SQS, AWS S3, AWS RDS, AWS Cloud Watch, Jboss, WebLogic, Jboss, Apache, Team city, GitHub, JIRA, RPM, Rally, ServiceNow, Elastic Search, Log stash, Splunk, AWS RedShift, Azure.

# Client: BNP Paribas, NY May2017 - April 2019

**Role: AWS DevOps Engineer**

# Roles and Responsibilities:

* + Experience in provisioning a Calendar Service module for single and multi-node environment using Terraform.
  + Experience in Upgrading Neo4j Graph DB from 2.2.0 to 3.2.5 using chef cookbook.
  + Experience in automating Application Server Tomcat, JBOSS and WebLogic using chef Cookbooks and Ansible.
  + Experience in Automating Microsoft SQL server 2014 using PowerShell on Windows Machine 2012 R2.
  + Perform Upgrades for Team Foundation Server and help migrate to Team Services
  + Installed Java and Scala using Ansible playbooks..
  + 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.
  + Installed SonarQube as a Docker container on open stack, Azure, AWS EC2 and integrated it with Jenkins.
  + Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
  + Build scalable and concurrent Backend Restful API using Go Programming language, MySQL and deployed to Amazon Web Servers in the cloud. Used GO programming language to build Monolith server and AUTH application.

Environment: Linux, RHEL, AWS, PCF, Shell Scripting, Jira, Bamboo, GIT, Splunk, Web services, REST APIs,

Apache-Tomcat, JBoss, Ansible ,Ubuntu, Azure, Weblogic, SVN, Maven, ANT, LINUX, XML, Power Shell, Shell Scripts, Python, kibana, Splunk.

# Client: Laureate Education Inc. Baltimore, Maryland Oct 2016 - May 2017 Role: DevOps Engineer

**Roles and Responsibilities:**

* + Automated the cloud deployments using chef, python and AWS Cloud Formation Templates.
  + Installed Workstation, Bootstrapped Nodes, Wrote Recipes, and Cookbooks and uploaded them to Chef-server,

Managed On-site OS/Applications/Services/ Packages using Chef as well as AWS for Redshift, EC2/S3&ELB with Chef Cookbooks.

* + Demonstrated working knowledge in IBM DataPower Service Gateway and/or IBM API Connect.
  + Experience in technical information from sources such as design documents, wiki pages, GitLab, Bit bucket repositories, and vendor documentation for use in documentation activities.
  + Setup and build AWS infrastructure resources like VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, EMR, ECR and RDS in Cloud Formation templates.
  + Developed CI/CD system with Jenkins on Google's Kubernetes container environment, utilizing Kubernetes and Docker for the runtime environment for the CI/CD system to build, test and deploy.
  + Experience deploying and operating Azure and AWS, specifically Redshift, VPC, EC2, S3, EBS, IAM, ELB, Cloud Formation and Cloud Watch using the AWS console and AWS CLI.
  + Build an ELK stack for MySQL monitoring and provides real-time log analytics service for other 4 systems
  + Experienced in build and deployment of Java applications on to different environments such as QA, UAT and Production.
  + Branching, Tagging, Release Activities on Version Control Tools: SVN, GitHub. Extensive usage of Tortoise SVN in windows environment for version control activities.
  + Implemented Chef Recipes for Deployment on build on internal Data Centre Servers. Also, re-used and modified same Chef Recipes to create a Deployment directly into Amazon EC2 instances.

Environment: AWS (EC2, VPC, ELB, S3, RDS, Cloud Trail and Route 53), GIT, VPC, SQL, Cloud Watch, AWS Auto Scaling, Cloud Formation, Chef, Ansible, Jenkins, Nagios, ELB, Shell Scripts, Unix/Linux Environment.

# Client: State Farm, Texas Oct 2015 – Sep 2016

**Role: DevOps Engineer**

# Roles and Responsibilities:

* + Installed, Deployed Red Hat Enterprise Linux 6.x/7.x, CentOS and installation of packages and patches for Red Hat Linux Servers.
  + Involved in troubleshooting of Red Hat Linux server issues and hardware issues and replacements.
  + Setup and build AWS infrastructure resources like VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, EMR, ECR and RDS in Cloud Formation templates.
  + Experience deploying and operating Azure and AWS, specifically Redshift, VPC, EC2, S3, EBS, IAM, ELB, Cloud Formation and Cloud Watch using the AWS console and AWS CLI.
  + Implement, maintain and support reliable, timely and reproducible builds for project teams.
  + Experience in Java/J2EE applications and Databases like MySQL.
  + Developed Maven scripts to assist in the Continuous Integration

Environment:Java1.3, J2EE 1.4, JSP 2.0, Struts 2.0, Springs, EJB 2.0, JMS, HTML, XML, (Web Sphere Studio Application Developer), UNIX, IBM Web Sphere Application Server 6.0,Maven, SOAP, JUnit, LOG4J, SQL Server 2008, Windows

# Client: Bravo Minds, India Feb 2012- May 2014

**Role: Build and Release Engineer**

# Roles and Responsibilities:

* + Directed the Release Management Calls to synchronize with the Developers, Testers and DBA teams for successful Release.
  + Worked with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
  + Monitored software, hardware, and/or middleware updates and utilizing technologies like Jenkins/Hudson, Ant, MS Build, and Subversion.
  + Expertise in using Puppet Dashboard and Puppet DB for configuration management to existing infrastructure.
  + Automated deployment modules of IIS web applications, bindings and configuration settings using a combination of PowerShell scripts and Puppet.
  + Used both GIT and Bitbucket source control systems to manage code.
  + Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using GIT source control.
  + Used JIRA to track issues and Change Management.
  + Created and deployed a tool to automate branch and project creation in subversion using Perl and Chef Scripts.

Environment: ANT, Puppet, Chef, Jenkins, Make, JIRA, Perforce, Shell, UNIX, Linux, Subversion, AWS, Apache 2.x, Apache Tomcat 6.x/7.x, Splunk.