**Name:** BhanutejaYada

**Address:**

**Mobile:** +91-9597390617

**E-mail:** Bhanutejayada@gmail.com

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**Professional Summary:**

* Overall 3 years of IT experience In DevOps, Linux System Administration, Build Engineering & Release Management process AWS certified, including end-to- end code configuration, deployments of artifacts and entire life cycle model in Enterprise Applications.

**Core Competence:**

* Experience with various DevOps related tools for the team such as provisioning scripts, deployment tools, and development and staging environments on AWS Cloud and Linux.
* Extensive experience working with AWS provided Solutions like EC2, AMI, ECS, ELB, VPC, Route 53, RDS, S3, IAM, Cloud Watch and cloud formation templates.
* Hands on experience on Jenkins, Dockers for setting up of continuous integration and continuous deployments.
* Strong experience with CI (Continuous Integration) and CD (Continuous Deployment) methodologies with Jenkins.
* Experience in integrating code quality tools in CI/CD pipelines such as SonarQube.
* Expert in deploying the code trough web application servers like Web Sphere, Web Logic/Apache Tomcat.
* Provisioned the highly available EC2 instances using infrastructure as code, execution plans, resource graph and change automation using Terraform and Cloud Formation and wrote new plugins to support new functionality in Terraform.
* Converted existing AWS infrastructure to server less architecture (AWS Lambda) deployed via Terraform and AWS Cloud formation.
* Management and design of integrated build pipelines using continuous integration workflows such as Jira, Git, Jenkins, Docker, Bitbucket.
* Configured version control systems like Git and Bitbucket for integrating code for application development.
* Experience in writing complex SQL queries like joins, Triggers, stored procedures, and packages.
* Extensively worked in Agile-Scrum environment for project development and inculcated professional team building skills.
* Maintenance of Splunk Environment with multiple Indexers.
* Ability in managing all aspects of the software configuration management process including code Compilation, packaging / deployment / release methodology, and application configurations.
* Involved heavily in setting up the CI/CD pipeline using Jenkins, Maven, Godthab, Nexus, SVN, CHEF, Terra form and AWS.
* Worked with AWS networking, Route53, F5 Load Balancers, DNS change, and also hands on experience in managing Kubernetes SVC.
* Good experience using MAVEN and ANT as a Build Tool for the building of deployable artifacts from source code.
* Responsible for design and controlling build and release of Java applications and source control by integrating the Git, Maven with the Jenkins.
* Worked with Engineers, QA and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the error while doing the deployment and building.
* Assisted in Designing & Implementation of different firewalls such as CISCO ASA, Palo Alto and Check Point in the network.
* Configuring the Static and Dynamic routing protocols. Subnetting the network using FLSM and VLSM in the network.
* Worked on Sonarqube configuration for the code quality.
* Worked on configuration, maintenance and administration of Palo Alto PA6000 Firewalls and migrating customers from Cisco ASA to Palo Alto in HA network.
* Performed trouble shooting for set of computers, routers and switches. Monitor, document, and control infrastructure performance for response, throughput, and availability.
* Excellent team player with good analytical, reasoning, interpersonal and logical skills.
* Strong and determined ability to work in hard environments and aggressive project schedules.

**Technical Skills:**

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| **Operating Systems** | Windows (All Versions), Linux, UNIX, MAC OS. |
| **Databases** | MS SQL Server 2016/2014/2012, Oracle, MS Access, MYSQL, Postgres SQL |
| **Data Analytic Tools** | SQL, SQL Server, Visual Studio, MYSQL Workbench, Postgresql |
| **Web development/Languages** | C, HTML 5, C#, CSS, XML, YAML, Java Scripting, Python, Shell Script. |
| **DevOps Tools** | Jenkins, Ansible, Docker, Terraform, Splunk, Kubernetes, Docker Swarm. |
| **Cloud Technologies** | AWS (EC2, S3, RDS, ECS, VPC, EKS, EBS) |
| **Version Control Manager** | Git Hub, SVC |
| **Router & Switch** | Cisco Router (3600, 3800), Cisco Switch (2900, 3500) |
| **Firewalls** | Cisco ASA (5500), Palo Alto (6000), Check Point (R.77) |
| **Load Balancer** | F5 (LTM), ELB (AWS) |
| **Routing Protocols** | RIP, EIGRP, OSPF, BGP |
| **Issue tracking tools** | Jira, Service Now, Remedy |
| **Build Tools** | Ant, Maven, MS Build |

**Professional Experience:**

**Softrams, LLC, Windsor Mill, MD**

**Role: Jr. DevOps Engineer**

**Project: ACOMS (Accountable Care Organization Management System)**

**Client: CMS (Centers for Medicare & Medicaid Services) September 2018 to Present**

**Responsibilities:**

* Managing Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as Ansible or custom-built, designing cloud-hosted solutions, specific AWS product suite experience.
* Using Ansible for CI/CD Deploy and monitor scalable infrastructure on Amazon web services (AWS) & configuration management. Creating and updating AMI images of EC2 Instances by employing AWS CLI and GUI.
* Implementing AWS solutions using EC2, S3, RDS, Elastic Load Balancer, Auto-scaling groups
* Working on Physical to AWS Cloud Migration and creating alerts and notifications for EC2 instances using Cloud Watch.
* Responsible for Configuring S3 versioning and lifecycle policies to backup files and archive files in glacier and set up IAM in order to create new accounts, roles, and groups.
* Writing shell, groovy, python scripting for building, deploying, maintenance and related tasks using docker and Jenkins.
* Automation of daily tasks using Shell and Python scripts.
* Setup and managed EBS Volumes to EC2 Instances.
* Responsible for Troubleshoot various network problems, system problems like Core Dump Analysis.
* Using Jenkins creating an RDS backups.
* Day to day building and deploying the codes between the different environments.
* Code merging and commit tagging in the bitbucket.
* File transfer between the NFS-client’s instances and NFS server instances.
* Established processes and tools to maintain code base integrity, including check-in validation rules and branch/merge processes.
* Monitoring the logs in the spluck for all the environments.
* Working with load balancers, Autoscaling groups and target groups to access and avoid the down time of application.
* Implemented Terraform modules for deployment of various applications across multiple Cloud providers and managing infrastructure. Built Jenkins jobs to create AWS infrastructure from GitHub repos containing Terraform code.
* Using the terraforms and ansible code creating the new micro services in the ECS clusters.
* Working on calls pagerduty alerts and sloving the issues as soon as possible.
* Using Grafana monitoring tool we use to monitor the RDS, API versions and the utilization of CPU and memory by micro services matrics.
* Working with the sonarqube and integrating with the Jenkins and bitbucket.
* Using Docker creating the images and storing into the harbor with the version tags.
* Creating the Spark cluster to process the large data in short period.
* Implemented Configuration Management, Change Management policies and procedures.
* Used JIRA as a Change Management/ Work Management/ SCRUM Agile Tool.
* Working closely with development team and QA team for product releases.
* Using the confluence documenting all the Projects reletated documents for the future reference and creating the flow chats using lucidchrat software.

**Environment**: AWS, Ansible, Docker, Terraform, Jenkins, Bitbucket, Vagrant, Splunk, nginx, Confluence, JIRA, Kong, Pagerduty, NFS, Spark, sonarqube, Grafana, Red Hat Linux, Putty, AWS, Docker, S3, EC2, IAM, Cloud Watch, Load Balancer (ELB).

**Softrams, LLC, Windsor Mill, MD March 2018 to September 2018**

**Role: Jr. DevOps Engineer**

**Project: App Foundry**

**Responsibilities:**

* Responsible for the Automation of the deployment of the Conductor application on AWS using AWS architectural components.
* Used Terraform as Infrastructure as a code and Execution plans, Resource Graphs, Change Automation and extensively used Auto scaling launch configuration templates for launching amazon EC2 instances while deploying Micro services.
* Implemented Terraform modules for deployment of various applications across multiple Cloud providers and managing infrastructure. Built Jenkins jobs to create AWS infrastructure from GitHub repos containing Terraform code.
* Build servers using AWS launching and configuring of Amazon EC2 cloud servers using AMI's (Linux/ Ubuntu), Creating security groups, and load balancers in the defined Virtual Private Connection (VPC).
* Implement & maintain the branching and build/release strategies utilizing Subversion and identifying Cross Functional Dependencies, Monitoring & tracking the release milestones.
* Coordinating Release effort amongst various teams (Development, QA, Testing, and Business Analysis) in geographically separated environment.
* Maintaining the user accounts (IAM), RDS, Route 53, SES and SNS services in AWS cloud.
* Involving in AWS data backup (snapshot, AMI creation) techniques, along with data-at-rest security within AWS.
* Designing a Deployment pipeline for the given Conductor application, that is updated automatically every time you change the code.
* Integrating services like GitHub, AWS Code Pipeline, Jenkins and AWS Elastic Beanstalk to create a deployment pipeline.
* Building a set of security policies which helps in identifying, categorizing and protecting the assets on AWS, managing access to AWS resources using accounts, users and groups.
* Implementing a comprehensive monitoring and logging strategy to support the Application logs, cloud logs and system logs.
* Working with infrastructure with micro service models like Docker Containerization. Collaborated with development support teams to setup a continuous delivery environment with the use of Docker
* Evangelize DevOps and CI/CD: Demonstrate Full stack clusters (ECS, EKS in AWS) including Kubernetes, Jenkins, GitLab.
* Orchestration of Docker images and Containers using Kubernetes by creating whole master and node.
* Planning with effective AWS Cloud watch which monitors Live Traffic, logs, Memory utilization, Disk utilization and various other factors which are important for deployment.
* Using ansible along with Terraform for maintaining, provisioning and automating infrastructure.
* Using JIRA tool to track all the stories, issues and changes in all environments.
* Overseeing the continuous build, integration & testing for Java related code running on Jenkins (Unit, Integration & System Level Tests) and implemented Jenkins for Continuous Integration Builds, automated deployments and Notifications.
* Creating documents on the build and deployment flow for existing system.

**Environment**: AWS, Ansible, Docker, Terraform, Jenkins, Bitbucket, Kubernetes, Vagrant, Splunk, nginx, Confluence, JIRA

**Spica Computers, Jersey City, NJ November 2017 to March 2018**

**Network Engineer**

**Responsibilities:**

* Works with client engineering groups to create, document, implement, validate, and manage policies, procedures, and standards that ensure confidentiality, availability, integrity, and privacy of information.
* Provide 24\*7 supports for day to day global operational activities including Change Implementation, Handling Work order access Request, High Priority incident handling/troubleshooting for Security Devices (Firewalls, Proxies, IPS, SSL, VPN Devices etc.)
* Configuration, Troubleshooting and Maintenance of Palo Alto Firewalls (160+ firewalls) - PA200, PA2000 series, PA3000 series, PA4000 series and PA5000 series.
* Worked extensively on Checkpoint R77.20 on GAiA and SPLAT, Cisco ASA.
* Successfully replaced Checkpoint R65 Provider1 to R77.20 & Migrated more than 500 firewalls from R65 to R77.20 Gaia across the globe it includes Checkpoint Appliance, HP, Dell & Nokia firewalls.
* 50 Firewalls software upgrade from R65 to R77.20 Gaia.
* Managing more than thousands Checkpoint Firewalls: Checkpoint R65/70/75, Checkpoint CMA, Multi Domain Services Manager (Provider-1) and Smart Center Management Server.
* Perform detailed analysis and troubleshooting of complex problems on the Firewall platform.
* Provide troubleshooting of latency sensitive perimeters involving the stocks & vendor connectivity.
* Performed RIP & OSPF Routing Protocol Administration.
* Involved in Troubleshooting IP Addressing Issues and Updating IOS Images using TFTP.

**Environment**: Cisco ASA, IPsec VPN, LAN, WAN, Routing protocols, Check Point, Cisco Routers and Switches.

**Avenir IT Solution, Hyderabad, India January 2015 to August 2015**

**.Net Developer**

**Responsibilities:**

* Responsible for understanding user requirements.
* Responsible for developing GUI Screens for gathering and storing the information.
* Designed and developed web forms using Classic ASP.NET.
* Implemented forms authentication in ASP web forms like Login, password and User authentication.
* Involved in using all the best features of ASP. NET including Dataset, Data View and Data Adapter
* Designed and developed interfaces, tree view and grid control using windows forms in VB. NET.
* Developed graphical charts in the web application using Office Web Components tool.
* Developed a data repository page using Data Grid control and ADO. NET
* Used Microsoft ADO. NET to access data from database in a web application
* Designed and implemented stored procedures, triggers, views in SQL Server 2005.
* Extensively used Dynamic SQL commands and SQL stored procedures to interact with the Database.
* Developed various reports based on the requirements using Crystal Reports.
* Involved in the Unit and Integration testing.
* Used Visual Source Safe (VSS) for version control of the source code along with the maintenance of the builds and the relevant documents of the same.
* Working in Agile Methodologies for rapid development and regular adaption to the varying requirements and continuous delivery of the working software.
* Working closely to the client for requirement gathering and analysis and provided desired solution to client in time limits.
* Involved in implementation of Object Oriented Concepts during the development.
* Involved in deployment of all websites in Microsoft Azure.

**Environment:** ASP .NET 4.0, C#, Visual Studio 2005/2008, ASP. NET 2.0, ADO. NET, VB. NET, Java Script, Web Forms, SQL Server 2005, MS Unit, Team Foundation Server 2008, VSS, CSS

**Academic Experience:**

**Computer Networks** **January 2017 – May 2017**

The course project that I demonstrated includes designing and performing basic network design activities and hardware infrastructure planning, communication device selection, protocol software installation with configuration, support of standard user applications, etc. Network Security Protocols – I have designed a sample firewall that provides security and prevents the website from security threats, filtering unknown requests using app ID.

**Canteen Automation System August 2016 – December 2016**

* Developed an Web application which is useful for the Canteen Management.
* Created more than 6 view controllers using Code to show the functionalities of the application.
* I was responsible for designing the user interface and connecting to the database of the application by using .net and SQL.
* Used Visual Studio 2005/2008, ASP. NET 2.0, Web Forms. Implemented code in ASP.net.

**Education:**

## Master in Computer Science, August 2015 – May 2017

**University:** New York Institute of Techonology,

1855 Broadway, New York, NY USA.

## Bachelor of Technology in Computer Science Engineering August 2011 – April 2015

## University: Holy Mary Institute of Technology and Sciences (JNTUH), Hyderabad, India*.*

**Certifications:**

* **CCNA** (Cisco Certified Network Associate Routing & Switching):

Cisco ID: CSCO13260471

Verification No: 430864169400CPUK

* **Palo Alto** ACE **(Accredited Configuration Engineer**)
* **AWS Sysops Administrator – Associate**

Validation Number: 924GYBX1B141Q794