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| Phaneendra Kumar  Sr.Devops / Cloud Engineer  Mobile: +1 409 333 0907  Email: phani.devops8@gmail.com | https://www.certmetrics.com/amazon/Telerik.Web.UI.WebResource.axd?imgid=11790ec104434548bd7c7cacd5e2f08a&type=rbi |

Career Overview

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* A Proactive, result oriented **IT Professional** with around **7+ years** of experience in **IT industry** with major focus on **Network Troubleshooting**, **Automating**, **Building, Deploying**, and **Releasing** of code includes **Amazon Web Services** (**AWS**) in a **Devops** Culture through **Continuous Integration** (CI) & **Continuous Deployment/Delivery** (CD) as an iterative process and **Automation** of Infrastructure as Code.
* Well experienced in all Phases of **Software Development Life Cycle** (SDLC), **UNIX/Linux** **administration, Configuration management,** **Continuous Integration** (CI), **Continuous deployment** (CD), **Release management** and **Cloud implementations**.
* **AWS Certified Developer Associate**, and having a thorough knowledge of **Amazon Cloud Computing architecture**.
* Experienced in all facets of full **CM** process with tools such as **SVN, GIT**, **Github, Gitlab, Clear Case, Clear Quest, Perforce, Cruise Control, Jenkins, Bamboo, Chef and Puppet**.
* Proficient in **AWS** **cloud platform** and its features which includes **EC2, VPC, EBS, AMI, SNS, RDS, Cloud Watch, Cloud Trail, Cloud Formation, Auto scaling, Cloud Front, IAM, S3,** and **Route53.**
* Experienced Designing **AWS Cloud Formation templates** to create custom sized **VPC, subnets, NAT** to ensure successful deployment of **web applications** and **database templates**.
* Maintained **software workflow management** with a project management tool like **GitHub, Git lab, SVN** and **task runners** like **Grunt** and **Gulp**.
* Hands on experience in **Branching, Merging, Tagging, Versioning and maintaining code** across multiple environments using version control tools like **GIT, Subversion (SVN), TFS, Bit bucket**.
* Integrated **Jenkins** with various DevOps tools such as **Nexus**, **Sonarqube**, **Puppet**, and **Maven**. Developed **Jenkins** jobs to automatically manage, test, and deploy code and applications.
* Designed and built a standard **Jenkins** Deployment process written in **Python/Bash** to support deployment of **Java** applications to traditional **VM's** using **Oracle WebLogic** Middleware.
* Strong experience utilizing **Jenkins** for enterprise scale infrastructure configuration and application deployments - checking out code from **SVN/Git** and used **Ant/maven** to build **war/jar** artifacts.
* Establish and deliver **Continuous Integration/Delivery** using tools such as **Jenkins, SVN, Sonatype, Nexus, GIT, Ansible, Cloud forms** and **SonarQube**.
* Extensively worked on **Jenkins, Team city,** and **Bamboo** by **installing, configuring** and **maintaining** the purpose of CI and End-to-End automation for all build and deployments implementing **CI/CD** for database using **Jenkins** and **Configuring** **Jenkins** job to spin up infrastructure using **Terraform** scripts.
* Design and implement next generation environment and **CI/CD** pipelines that will support the rapid growth of our engineer pool and install base.
* Expertise in using **build tools** like **MAVEN** and **ANT** for the building of deployable **Artifacts** such as **War & Jar** from source code and experience in using **Nexus** and Artifactory Repository Managers for **Maven** builds. Configured and Administered **Nexus** Repository Manager and **Jfrog** Artifactory.
* Experienced in **Designing, developing, implementing**, and **maintaining** custom **Gradle** tasks in **Java** and **Groovy**.
* Experienced with **Install, configure, modify, test & deploy** applications on **Apache Webserver**, **Nginx, Tomcat, WebLogic, WebSphere and JBoss** Application Servers.
* Well experienced in writing **Chef Cookbooks** for various **DB** configurations to **modularize** and **optimize project configuration**, **converting production support** scripts to **Chef Recipes** and **AWS** server provisioning using **chef** **Recipes.**
* Experienced in writing **Ansible** **Playbooks** for configuring the **Application/Database** servers and to automate the **Continuous Delivery** process by bootstrapping the **Nodes** with Host servers.
* Experience working on several **Docker** components like **Docker Engine**, **Docker-Hub**, **Docker-Compose** and **Docker Registry**.
* Implemented **Terraform** modules for deployment of applications across **multiple cloud** providers
* Worked with **Kubernetes** to automate deployment, scaling and management of **web Containerized applications**.
* Installed and configured **Teamcity**, **Octopus** deploy on **EC2 virtual machines**, and created **Continuous Integration pipelines** to build the code.
* Designing distributed private cloud system solution using **Kubernetes** (Docker) on CoreOS. Automated various infrastructure activities like **Continuous Deployment, Application Server setup, Stack monitoring** using **Ansible playbooks** and has Integrated **Ansible** with **Jenkins**.
* Knowledgeable in using **Azure** **PaaS** Solutions like **Azure** **Web Apps, Web Roles, Worker Roles**, **SQL Azure** and **Azure Storage** and in configuring and deploying the Operations Management Suite (OMS) to monitor and track changes.
* Skillful in dealing with Windows **Azure IaaS** - **Virtual Networks, Virtual Machines,  Cloud Services, Resource Groups, Express Route, VPN, Load Balancing, Application Gateways, Auto-Scaling**, and **Traffic Manager**.
* Expertise in **Azure Development**, worked on **Azure web application, App services, Azure storage, Azure SQL Database, Virtual Machines, Fabric controller, Azure AD, Azure search,** and **Notification hub.**
* Used **Google Cloud Platform** (GCP) Services like **Compute Engine, Cloud Functions, Cloud DNS**, Cloud Storage and Cloud Deployment Manager and **SaaS, PaaS and IaaS** concepts of Cloud computing architecture and Implementation using **GCP.**
* Experience in Google Cloud components, Google container builders and GCP client libraries and **cloud SDK**'s and Used **GCP HTTP**(S) load balancing with **Google Cloud storage buckets** and added a Cloud storage bucket to your load balancer.
* Worked on **.NET** Web. Application Build / Deployment (MS Visual Studio 2012, TFS 2010/12) software.
* Expertise in working with Bug Tracking Tool like **JIRA.**
* Develop an understanding of TCP/IP **Networking concepts, Routing and Firewalls**.
* Install and maintain all versions, verify updates of **Anti-virus, Firewalls, and VPNs.**
* Working Knowledge on **Shell, Perl** and **python** scripts used to automate day to day administrative tasks. Tested various **Linux** Environments in the Development/Test Stages to help create a better standardized environment and resolutions of problems if any occurred.
* Development/test/bug fix of Teradata database licensing in **Agile** and **Open Source** for **AWS/Azure** cloud platforms, load/unload utilities, Database system resource management, Multiple Hash Map major feature release.
* Capable of performing under minimal supervision, multi-tasking, meet deadlines, good team player and the ability to handle multiple competing priorities in a fast-paced environment.

Technical Skills

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| **Programming Languages** | Java, HTML, XML, Shell, PERL, SQL, Basic C/C++ and Python, Ruby |
| **Operating Systems** | Windows 95/98/XP/NT/2000/7/Vista/2003/2008, Sun Solaris 2.x, RHEL, UNIX, LINUX, Mac OS, Centos, Ubuntu |
| **Virtualization Tools** | Vagrant, Virtual Box |
| **Databases** | Oracle, MYSQL, SQL Server 2008, MongoDB, DB2 |
| **CI Automation/ Build Tools** | ANT, Maven, Gradle, MS Build, Hudson, Jenkins, Bamboo Nexus Artifactory, JFrog, Docker, Ansible,chef, Puppet, Salt stack |
| **Cloud Platforms** | AWS, GCP, AZURE |
| **Web Servers** | Apache, Nginx |
| **Application Servers** | Apache Tomcat, Web Logic, Jboss, Web Sphere |
| **Version Control System** | Subversion (SVN), ANT, GITHUB, Clear case, CA Harvest, GITHUB, CVS and Perforce |
| **Containerization** | Docker, kubernetes |
| **Monitoring Tools** | Nagios, Cloud watch, Splunk |
| **Tracking Tools** | HPSM, Clear quest, BMC Remedy, Bugzilla, Atlassian JIRA |

Professional Experience

South Florida Water Management District West Palm Beach, FL Mar 2018 – Present Sr AWS/Devops Engineer

Roles & Responsibilities

* Responsible for automating **cloud infrastructure** maintenance, building new operational monitoring, alerting capabilities, implementing and maintaining, **cloud developed** engineering solutions.
* Worked **cross-functionally** with engineers, software developers, and end-users to design, implement, and maintain customers'
* Worked in the **design, configuration, implementation, deployment, automation** and support of **web solutions** primarily in a **global cloud** based environment.
* Expertise in using AWS services including EC2, Auto Scaling in launching EC2 instances, Security Groups, ELB, S3, EBS, AMI, Glacier, Redshift, Cloud Front, RDS, VPC, Route53, Cloud Watch, Cloud Formation, Cloud Front, IAM, SNS, SQS and Direct Connect.
* Built a **VPC**, established the site-to-site VPN connection between **Data Center & AWS**.
* Coordinate and implement **security measures** to safeguard information against accidental or unauthorized damage, modification or disclosure
* Creation, Installation, and administration of **Red Hat** Virtual machines in **VMware** Environment. Administration of **RHEL 5.x/6.x** and **Solaris 10/11** includes installation, testing, tuning, patching and troubleshooting day-to-day issues.
* Designed, wrote and maintained systems (**Python**) for administering **GIT**, by using **Jenkins** as a full cycle **continuous delivery** tool involving package creation, distribution and deployment onto **tomcat** application servers via **Shell** scripts embedded into **Jenkins jobs**.
* Experienced in authoring **pom.xml** files, performed releases with the **Maven** release plugin, modernization of **Java** projects and managed **maven** repositories.
* Administered the **Maven** Repository using **JFrog** Artifactory tool and used the same to share the snapshots and releases of internal projects.
* Familiar and experienced with **Agile Scrum** development.
* Worked closely with developers, analysts, to build up **CI/CD** pipeline throughout **Jenkins, jFrog** Artifacts Repository, **Docker Image**, **AWS Image Registry**, **AWS Elastic Container** Service, **AWS Micro services**, **Docker Swarm, Kubernetes**.
* Experience in **C, C++, and .NET** development.
* Perform Administrator tasks over **MYSQL** server, install, monitoring, backup, dB connections, and run quarries.
* Installed and configured **Nagios** monitoring tool, while using it for monitoring network services and host resources.
* Perform automated controlled **deployments** of digital assets between development, quality assurance and production environments.
* Extensively worked on **Hudson, Jenkins** and **Team City** for **continuous integration** (CI) and for End to End automation for all build and deployments.
* Creating inventory in **Ansible** for automating the **continuous deployment** and wrote **playbooks** using **YAML** scripting.
* Proficient knowledge in writing scripts for automating tasks at different levels of build and release using **Bash, Ruby, Python, Groovy** and **PowerShell.**
* Worked on **Ansible Playbooks**, **Ansible Tower** to automate repetitive tasks, to deploy critical applications quickly and proactively manage the changes.
* Involved in setting up **JIRA** as defect tracking system and configure various workflows, customizations and plugins for JIRA bug/ issue tracker.
* Architected, planned, developed & maintained Infrastructure as code using CI/CD deployments using **Terraform**.
* Managed **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 **Ansible**
* Used **Kubernetes** to orchestrate the deployment, scaling and management of **Docker** Containers.
* Used **Pods**, **Master** and **Minion** in **Kubernetes**. Master serves **RESTful Kubernetes** API that validates and configures Pod, Service, and Replication Controller in Kubernetes.

Environment: AWS ,VPC, Red Hat, RHEL, Solaris, ANT, Jenkins, Tomcat , Java, Maven, JFrog, Agile, Docker, Kubernetes, C, C++, .NET, MYSQL, Nagios, Hudson, Team city, Ansible, EBS, SQL, Terraform, AWS EC2, Jira, AWS CLI, AWS Auto Scaling, UNIX/LINUX, Bash, Python, Ruby, Shell Scripting.

GE Digital San Roman, CA Apr 2017 – Jan 2018 Devops/Azure Engineer

Roles & Responsibilities

* Worked on Devops essential tools like VSTS, **chef**, **Puppet**, Docker, **Jenkins**, **ANT**, and **Maven** and migrated **VMWARE** VM’s to **Azure** and Managed Services like **VM, VPN, and VNet.**
* Used **SQL** Server Integration Services (SSIS) to import the Logs data into **SQL Server**. Worked in dealing with **Windows Azure IaaS - Virtual Networks**, Virtual Machines, Cloud Services, Resource Groups, Express Route, Traffic Manager, **VPN, Load Balancing**, **Application Gateways, and Auto-Scaling.**
* Experience in Private Cloud and Hybrid cloud configurations, patterns, and practices in **Windows** **Azure and SQL Azure and in Azure** web and database deployments.
* Proficiency in writing automation scripts using **Shell, PowerShell** in **puppet** to support infrastructure as code and continuous deployment.
* Experience in using **Jfrog** and **Nexus** Artifactory Repository Managers for builds
* Installed **Puppet** Master and **Puppet** agents on **AMI machine**, written **Puppet** modules for **Apache**, did database setup, created users and group accounts for a project
* Design and Implement High availability with Storage accounts and availability sets, Disk Sanitization Process.
* Experience on **Power Shell scripts** to automate the **Azure Cloud** system creation including end-to-end infrastructure, VM’s, storage, firewall rules.
* Implemented new **Chef** **Cookbooks** to support **Python** applications and Developed new features and provided support for all Identity micro services.
* Experienced in writing **Ansible** playbooks to setup Continuous Delivery pipeline. This primarily consists of a **Jenkins** and **Sonar server**, the infrastructure to run these packages and various supporting software components such as **ANT, Maven**, etc.
* Installing and configuring of **Chef Server, Chef-solo** along with creating **Chef Cookbooks** and implemented latest releases of **chef**- Solo, Compliance, Habitat and written **Chef Recipes** to install and configure **Nagios** for monitoring Infrastructure.
* Expertise with **Docker images** using a **Docker** file, worked on container snapshots, removing Images and managing **Docker** volumes.
* Involved in the functional usage and working knowledge of web servers like **Tomcat, HTTP**, and **Nginx**. Experienced in Branching, Merging, Tagging and maintaining the version across the environments using SCM tools like **GIT** and **Subversion** (**SVN**) on **Linux** platforms.
* CI/CD pipeline management through **Jenkins** and **GitHub** and bug tracking using **JIRA**.
* Experience in software build tools like **Maven, Ant** to write **Pom.xml** and **Build.xml** respectively.
* Created build scripts using **ANT** tool for the creation of (WAR files) build artifacts CentOS, RHEL, Ubuntu, **ANT**, **Jenkins**, **Puppet**, **ANT**, Python, Ruby, PHP
* Developed continuous delivery product release pipelines, using tools such as **Jenkins**, and enable release and operations automation using **Ansible**.
* Worked with **QA** team on daily basis in fixing the reported bugs/defects and checking cross platform compatibility.
* Worked on IDE tools like **JSP, IntelliJ, Web Storm, Notepad++, Sublime Text** and **Eclipse**.

Environment: VMware, Azure, SQL, Azure Iaas, VPN, Windows Azure, Shell scripting, Puppet, JFrog, Nexus, AMI, PowerShell, Python, Ansible, Jenkins, Sonar sever, ANT, Maven, Nagios, Docker, Tomcat, HTTP, Nginx, ANT, SVN, LINUX, GITHUB, Jira, Notepad++, Web storm, Sublime.

Cairn Applications Nashua, NH Feb 2016 – Mar 2017 Devops & Site Reliability Engineer

Roles & Responsibilities

* Adopted **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, Nagios**
* Designed **AWS Cloud Formation templates** to create custom sized **VPC**, **Subnets** to ensure successful deployment of Web applications and database templates.
* Created scripts for system administration using languages such as **Shell** and **Python**. Also developed and maintained **shell** scripts for build and release ELK, NAGIOS, CLOUDWATCH tasks.
* Create and wrote **Shell** scripts (**Ksh, Bash), Ruby, Python, and PowerShell** for setting up baselines, branching, merging and automation processes across the environment using SCM tools like **Git, SVN** on **Linux** and **Windows** platform.
* Worked on developing CI/CD pipeline with **Bamboo** as a continuous integration tool, using **Bit bucket** to push/pull code, **Maven** to generate build, stored in **AWS** S3 as an Artifactory and then integrated **chef** with **Bamboo**.
* Responsible for **Continuous Integration** (CI) and **Continuous Delivery** (CD) process implementation using **Jenkins** along with **Shell** scripts to automate routine jobs.
* Experienced in writing **Ansible** playbooks to setup Continuous Delivery pipeline. This primarily consists of a **Jenkins** and **Sonar server**, the infrastructure to run these packages and various supporting software components such as **Maven**, **Chef** etc.
* Internal IT support including software installation, troubleshooting issues, local development environment set up and training on new technologies (such as **Git** and **Vagrant**) and procedures.
* Used **SQL** queries to validate data and updated the records for the various modules.
* Developing full stack architecture with **MongoDB** data warehouse on **CentOS** and **AWS** servers.
* Wrote automation scripts in **Python** for Extracting Data from **JSON** and **XML** files.
* Created CI/CD pipelines and setup auto trigger, auto build and auto deployment with the help of the CI/CD tool like **Jenkins**.
* Proposed triggers on events to insert, update and captured the data Defined constraints, rules and defaults to ensure data integrity and relational integrity.
* Hands on **Docker** container snapshots, attaching to a running container, removing images and managing containers.
* Resolved update, merge and password authentication issues in **Jenkins** and **JIRA**.
* Installed, Configured, Managed Monitoring Tools such as **Splunk, Nagios** and **Cloud Watch** for Resource Monitoring/Network Monitoring/Log Trace Monitoring.
* Implemented **Docker -maven-plugin** in and **Maven** **POM.XML** to build **Docker** images for all micro services and later used **Docker** file to build the **Docker** images from the **java, jar** files.
* Automated the front-ends platform into highly scalable, consistent, repeatable infrastructure using high degree of automation using **Chef, Jenkins**, and **Cloud Formation**.
* Developed **Chef** **Cookbooks** for **Tomcat**, **MySQL**, **Windows** applications and versioned them on **Git** repositories and **Chef** Server.
* Involved in the functional usage and gained working knowledge of web servers like **Tomcat, HTTP, JBOSS, WebSphere, WebLogic,** and **Nginx**.
* Maintained and Debugged Code to meet the required standards by using **SonarQube.**
* Automated Security **Sonatype** scans for all built releases with **Jenkins** build process integration. Security scans for vendor product and coordinated security issues with security department.

Environment: AWS , Java, PHP, Node.js, Python, Ruby, Shell scripting, Docker, ELK, Nagios, Cloud watch, ANT, SVN, LINUX, Bamboo, Bit bucket, Jenkins chef, Ansible, Sonar, SQL, MongoDB, Json, XML, Docker, Jira, Splunk, Windows, Tomcat, Jboss, HTTP, Sonarqube.

Cipla Limited Bangalore, India Oct 2013-Dec 2015 Build & Release Engineer

Roles & Responsibilities

* Release engineer for a team that involved different development teams and multiple simultaneous software releases. Developed and implemented Software Release Management strategies for various applications according to the **Agile** process.
* Experience in variety of different environments like **Red Hat** **Linux**, Windows HP-UX, SUN **SOLARIS** and **AIX**.
* Analyze and resolve conflicts related to merging of source code for **SVN** and **ANT**.
* Created and maintained **ANT** **build.xml**s and **Maven** **Pom.xml**s for performing the builds.
* Automated the Build& Deployment environment end -to-end using Jenkins.
* Responsible for the Plugin Management, User Management, **Build/Deploy Pipeline** Setup and End-End Job Setup of all the projects.
* Involved in setting up builds using **Chef** as a configuration management tool and managed the configurations of more than 30 servers.
* Written **Shell** scripts to automate the deployments to **Jboss** Application Servers deployed to **UNIX**/**LINUX** environments.
* Installed, monitored and configured Applications in **Nginx** and **Apache** **Tomcat** Server and establish connectivity to databases and troubleshoot issues on the fly.
* Implemented a CI for several demanding consumer facing applications with bi-weekly releases with **Jenkins** integrating **ANT**, **Maven**, deployment tasks.
* Used **chef**, **Ansible** for server provisioning and infrastructure automation, release automation, deployment automation
* Written **Cookbooks** for various packages and installed them on **VM’**s to perform QA testing.
* Responsible for maintaining development owned boxes (**LINUX**) and install patches, upgrades, file system management etc. (ex. **Jboss** upgrades, **JDK** upgrades, etc.)
* Working with an **agile** development team to deliver an end to end continuous integration/continuous delivery product in an open source environment using **Puppet** and **Jenkins** to get the job done.
* Strong in building using java writing **Shell** Scripts on **UNIX**.
* Worked on Automation tools like **WebDriver** (Functional & Regression Testing), **Testing, Junit, ANT, Maven, Jenkins** and Web based Applications Implemented Continuous Delivery framework using **AnthillPro**, **Chef, MS Build** & Artifactory in MS windows server environment.
* Installed, Configured and Managed Monitoring Tools such as **Splunk, Nagios, and Cloud watch** for Resource Monitoring.
* **Bugzilla** is used for tracking bugs and raised tickets to get resolved.
* Built a comprehensive **PERL** script, which would call the required **ANT** scripts and notify the build distribution team in case of Build errors or Completion of the builds.
* Demonstrated experience in the Web and Application server administration with good knowledge of **Apache** and **Jboss** Application Platform products.

Environment: Agile, Redhat, Sun solaris, Windows, Linux, AIX, SVN,Ant,Maven, Jenkins, Chef, Jboss, Shell, Unix, Nginx, Tomcat, Ansible,VM, JDK, Puppet, Bugzilla, Perl.

Think core Technologies Bangalore, India May 2011- Sep 2013 Linux Administrator

Roles & Responsibilities

* Performed multiplatform Server builds on **VMware**, which include **Windows Server 2008**, **UNIX**, **Solaris** 10/11, **Linux Centos** 6.4/7, and **RHEL** 6.4/7.
* Worked on troubleshoot network connectivity used **Ping, Netstat, Ifconfig**, and **Trace route** commands. To login to the remote system using **Sudo, Putty** and **Telnet**. To transfer files across the systems on the network used **Ftp** and **SCP** commands.
* Worked on Day to day problem handling related to **File Systems, Disk, Memory, CPU, Network** etc., User administration, adding and removing user accounts, changing user attributes. Administered **WebSphere/WebLogic** application Servers at configuration level.
* Responsible for assigning **Hostname, static IP address, Default Gateway address, DNS address** to **Solaris, Centos, Rhel** and **Windows 2008** Servers to introduce them to the **network.**
* Troubleshooting and resolving OS, application, malware desktop related issues on various **Windows NOS**.
* Provided systems administration support for **LINUX** systems including server and workstation upgrades, backup and disaster recovery monitoring, user account setup and security administration.
* Provided software and hardware tech support **24/7 on call support** as required.
* Monitoring system activities and fine-tuning system parameters and configurations to optimize performance and ensuring security of systems.
* Performed basic system monitoring, verified the integrity and availability of all hardware, server resources, systems and key processes, reviewed system and application logs, and verified completion.
* Installation, Configuration, provisioning of **LINUX** **(RHEL 6.x)** servers in a **Virtualized** environment. Daily monitoring of user account access and usage.

**Environment**: VMWare, Windows, UNIX, RHEL, Putty, Sudo, Telnet, WebSphere, WebLogic, DNS, Shell, CentOS, ANT, Red Hat LINUX 5.x, 6.x, CentOS, VMware Virtualization, SVN.

Certifications: AWS Certified Developer- Associate

Education

Master of science in computer and information Systems

NEW ENGLAND COLLEGE, HENNIKER, NH, USA