**Talusani Sindhuja**

**Sr. DevOps Engineer / AWS Developer**

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**Professional Summary**

* Over **7 years** of experience in IT industry with major focus on **DevOps, Software Configuration, Release management, Infrastructure management,Build/Release Management**.
* Exposed to all aspects of **software development life cycle (SDLC) such as Analysis, Planning, Developing, Testing, and Implementing and Post-production analysis.**
* Expertise in creating **DevOps strategy** in a mix environment of **Linux (RHEL, CENTOS)** servers along with **Amazon Web Services**.
* Expertise in **AWS** cloud administration which includes services like – EC2, ECS, S3, EBS, VPC, ELB, Route 53, and AutoScaling.
* Hands on experience in writing scripts in **Python boto framework** and automate the build of various AWS related services.
* Experience in all facets of full CM process with tools such as **SVN**, **GIT**, **Perforce**, **Jenkins**,**TeamCity,Sonar, Subversion, Team foundation server**, **Nexus**, **Chef** and **Puppet.**
* Extensively worked with tools like **Hudson, Jenkins, TeamCity**to implement build automation.
* Worked on **Kubernetes**, **Docker** and **Vagrant** for managing development environments through creation of Linux virtual containers.
* Experience in defining the manual and automation process of continuous integration and continuous deployment.
* Design and implementation of a **Puppet-based** configuration management system for all new Linux machines (physical and virtual)
* Extensive experience in setting up **Chef Workstation, Server and Clients**, and maintained **Chef Recipes** and **cookbooks** to simplify and expedite deployment of applications and mitigate user error.
* Experience in Configuring and deploying to Application servers **WebLogic** and **WebSphere**.
* Extensive experience in writing **PL/SQL Packages, Stored Procedures, Triggers and Functions**.
* Experience in building and deploying **Java & SOA** applications and troubleshooting the build and deploy failures.
* Worked on **Docker for Application isolation** in Linux environment and for simplifying distributed services using fewer virtual machines.
* Experience in building and deploying the **J2EE** and **.Net** applications, analyzing and troubleshooting the issues, providing the technical support to development/test/operations/production support teams.
* Worked on cloud-based servers like **AWS, AZURE.**
* Experience working with Amazon Web Services (**EC2/AWS**) **- Web consoles**, **APIs**, and **Security Groups, Elastic Load Balancer, VPC, Elastic IP’s, Lambda, RDS and S3**.
* Hands on experience in working in both **Waterfall and Agile based methodologies** forSoftware Configuration Management (SCM).

**Technical Skills**

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| Operating Systems | Linux (RedHat Enterprise Linux 3.x,4.x,5.x,6.x, Fedora and CentOS, SUSE 8,10,11, Ubuntu 7.x – 14.x), Windows 95/98/XP, Solaris. |
| Hardware | IBM RS/6000, pseries 520, 550, 570, 575, 590, 595, 650, 630,670, M80, S80, H70 and H80, z/VM-9 series, IBM ESS (Enterprise Storage Server). |
| Virtualization Tools | VMware vSphere, Oracle Virtualbox, VMware Workstation |
| Web/Application Servers | WebSphere Application Server (WAS) 3.5, 4.0, WebLogic, Apache Tomcat, JBoss, Server, IBM HTTP Server. |
| Networking | TCP/IP, NIS, NFS, DNS, DHCP, WAN, SMTP, LAN, FTP/TFTP, VMware nexus switch, Cisco Routers/Switches, F5 load balancer |
| RDBMS | Oracle 7.x/8.0/9i, MySQL, MS-SQL Server and MS-Access |
| Programming Languages | C, C++, Java, JavaScript, Servlets, JSP, HTML, Python, Go, Perl, Ruby and Shell Scripting. |
| Cloud services | AWS (EC2/SQS/SNS/S3/IAM/ELB), Azure |
| Version Control | Subversion, Git, Perforce. |
| Build Tools/CI/CD | Maven, MSBuild, Ant, Jenkins, TeamCity, Build Forge and bamboo. |
| Monitoring tools | Nagios, Munin, Splunk, Graphite, AWS cloud monitoring |
| Configuration Management tools | Puppet, Chef, Vagrant, Docker, Kubernetes, Ansible |

**Barclays Capital, New York City Jan 2016 – Till DateAWS Cloud Engineer**

Barclays is a British multinational bank and financial services company headquartered in London. It is a universal bank with operations in retail, wholesale and investment banking, as well as wealth management, mortgage lending and credit cards. The goal for this program is to migrate on-premises applications to the AWS Public Cloud. As a AWS consultant, I was responsible for creating CI/CD framework and containerized Dev, QA environments for present application development teams and QA teams using Jenkins Pipeline workflow, Git, Docker, Chef and Nexus Repository Manager.

**Responsibilities:**

* Configured and maintained Jenkins to implement the Pipeline Suite and integrated the tool with and Maven to schedule the builds.
* Automated application deployment from TFS using build templates that trigger PowerShell scripts.
* Configured TFS to run continuous integration of builds and execute unit test on all check-ins for .net web applications.
* Installed/Configured and Managed Artifactory Repository Manager (Dockerregistry Setup).
* Generated reports using SonarQube which covers different areas of Code quality like potential bugs, code coverage, coding rules.
* Installed/Configured and Managed GitLab SCM for CI/CD Workflow.
* Worked on changing the application run time process using Shell and python scripts for WebLogic configuration and shell scripts for database configuration.
* Worked with Cloud-based solutions like AWS (Amazon Web Services) for deploying on-demand Windows and Linux environments using EC2 and AMI, S3, EBS for cloud storage services, ELB, and Auto-scaling, Elasticsearch, for load-balancing and highly scalable environments, VPC for virtual public and private networking.
* Implemented automated deployments with Docker-compose for scalable application deployment by orchestrating containers.
* Troubleshooted custom code running in Docker containers like Go, Python, PHP.
* Worked with Docker and Kubernetes on AWS, from helping developers build and containerize their application (CI/CD) to deploying either on AWS.
* Wrote Ruby scripts to perform deploys to Tomcat Webserver and WebSphere App Servers.
* Configured Chef to manage AWS environments and automate the build process for core AMIs used by all application deployments including Terraform and Chef.
* Performed setup of clustered environment setups with WebSphere Application Server.
* Created Chef Recipes for automating deployments of application Containers.
* Deployed code on WebLogic Application Servers for UAT, IST, and Development environments.
* Worked with the documentation of Migration process, AWS Deployment setup, Application Stack deployments and Troubleshooting Scenarios.

**Environment:** Chef,RHEL 6/7, MSBuild, Maven, Terraform, Concourse, TeamCity, Docker, Terraform, Shell Script, Go, SonarQube,Oracle Webserver, Python,Ruby, Apache Tomcat, Jenkins, GitLab, TFS,Windows PowerShell,AWS.

**Guardian Life Insurance, Bethlehem, PA Feb 2014 – Dec 2015**

**Infrastructure AWS Engineer**

Guardian’s IT strategy stipulates the requirement to host business application workloads in the location which best meets business, compliance and technical requirements. Guardian’s strategy is to build cloud services leveraging Amazon Web Services to host Guardian products and services. The goal for this program is to migrate Guardian applications to the AWS Public Cloud for Guardian Environments.I was responsible for design and implement build and release scripts and Developed and facilitate release/deployment management processes across environments in support of releases.

**Responsibilities:**

* Installed and configured Jenkins for Automating Deployments and providing a complete automation solution.
* Contributed to new physical and virtual data center infrastructure design and implementation.
* Worked extensively with MS Build/TFS-Build/Jenkins and kept track of build releases.
* I had implemented continuous deployment pipeline with Jenkins and Jenkins workflow on Kubernetes.
* Installed, configured, and managed the servers in AWS, OpenStack, Linux, Tomcat, Apache.
* Have an experience in AWS Network administration, AWS RDS DB services, AWS instance monitoring, troubleshooting deployment optimization, root cause analysis and preparing documentation.
* Manual Installation and configuration of Weblogic, Tomcat and Apache servers.
* Worked with DevOps practices using, AWS, Elastic Search, Beanstalk and Docker with Kubernetes.
* Designed and built a high-performance, distributed user metrics prototype by customizing Nginx and using Couchbase.
* Worked on Physical to Cloud Migration in AWS, and provisioned infrastructure using Cloud formation templates in AWS.
* Making use of PowerShell, Ruby, BASH, and other tools to automate a range of tasks in an OS diverse environment.
* Worked with Puppet managing Docker Hosts, setting up Docker services and agent running and provide with images of the application container.
* Developed and maintained build script using Apache ANT for J2EE, NANT and MSBuild for .NET to perform builds efficiently.
* Automated deployment modules of IIS web applications, bindings and configuration settings using a combination of PowerShell scripts and Puppet.
* Establish configuration management tooling for organization using Puppet.
* Wrote Ruby scripts to perform deploys to Tomcat Webserver and WebSphere App Servers.
* Installed and configured monitoring tools Splunk for monitoring the network bandwidth and the hard drives status.
* Installed and configured foreman with puppet for auto-provisioning Linux machines in AWS environments.
* Set up PostgreSQL database servers for Web Server environment.
* Set up Factor and VMware Perl SDK for custom Web-UI-based reports for VMs.
* Deployed Dynamic content to Application servers like WebSphere and WebLogic.

**Environment:** Maven, CloudFormation,RHEL 6/7, Ubuntu, Visual Studio,TeamCity, Windows Server 2008,Java, Apache Tomcat, SQL, JIRA, Splunk, Jenkins, Kubernetes, OpenStack, Puppet, Python, VMware,WebLogic, Docker, Shell script, AWS.

**Barracuda Networks -Campbell, CA Sep 2012 – Jan 2014**

**Configuration management developer (Chef)**

Barracuda Networks, Inc. designs and delivers security and data protection solutions. The Company offers cloud-enabled solutions that enable customers to address security threats, manage network performance, and protect and store their data. As a DevOps engineer, I was responsible to build and run large-scale web production systems and application environment to ensure site reliability.

**Responsibilities:**

* Installed/Configured/Managed Jenkins CI Automation.
* Responsible for the Plugin Management, User Management, Build/Deploy Pipeline Setup and End-End Job Setup of all the projects.
* Installed/Configured and Managed Nexus Repository Manager.
* Maintained branches/forks in GITHUB version control for the changes made in cookbooks as per release.
* Installed, configured and maintained web servers like HTTP Web Server, Apache Web Server, WebSphere.
* Implemented the Chef Software setup and configuration on VM’s from the scratch and deployed the run-list into chef-server and bootstrap the chef clients remotely.
* Responsible for Continuous Integration(CI) and Continuous Delivery(CD) process implementation from Dev to Eval, Eval to Pre-Prod/ Pre-Prod to Production systems using Jenkins, GIT, SVN, Chef automation tool.
* Deployed the cookbooks, recipes using knife tool from Chef-DK Workstation to Chef-server.
* Created user, rpm packages and patch management & configuration implementations.
* Automated Apache-webserver configuration, DB Server configuration, SSSD Configuration, LAMP by writing Ruby Cookbooksin Chef.
* Involved in querying data from MangoDB for searching grouping and sorting.
* Worked on Relational Databases such as SQL and Microsoft Access.
* Automated Nagios alerts and email notifications using python script and executed them through Chef.

**Environment:** Perl Scripting, Python, Nexus, SQL, Chef,Chef-DK, Chef workstation, Chef Server, Chef V12,Red Hat Linux 5/6/7, Windows 2003/2008, Splunk, Ngnix, SVN, Jenkins, Apache, JBoss, MongoDB, Web Services, Shell script, Python, Ruby script.

**JPMC, Chicago, IL Oct 2011- Aug 2012**

**Release Engineer**

JPMorgan Chase & Co. is a financial holding company. The Company is engaged in investment banking, financial services. It operates in four segments, as well as a corporate segment. Its segments are Consumer & Community Banking, Corporate & Investment Bank, Commercial Banking and Asset Management.My responsibilities involved designing and deploying multitude applications utilizing almost the entire Windows release stack.

**Responsibilities:**

* Developed build and deployment script using MSBuild, and NAnt. Setup development and QA environments.
* Troubleshoot the automation of Installing and configuring .NET applications in the test and production environments.
* Created and maintained the Shell/Perl deployment scripts for WebLogic and UNIX servers.
* Developed, maintained, and distributed release media and release notes for each scheduled release.
* Provided periodic feedback of status and scheduling issues to the management.
* Created views and appropriate meta-data, performed merges, and executed builds on a pool of dedicated build machines.
* Installation and Configuration of Solaris, Linux and AIX and Windows/NT operating systems on large distributed environment.
* Deploying the application from Jenkins and management processeswith Puppet.
* Involved in periodic archiving and storage of the source code for disaster recovery.
* Developed and maintained UNIX/Perl/ANT scripts for build and release tasks.
* Installation and support of various versions of Oracle, SQL Server and MySQL databases.
* MaintainedNASgateways,configured NFSsharedvolumes.
* Involved in setting up LDAPserverandmanagingusersand permissions.
* Used various networking tools such as SSH, telnet, rlogin, ftp and ping to troubleshoot daily networking issues.
* Performing Continuous Build, and maintained build for all environments (SANDBOX/DEV/QA/PROD) in WebLogic server.
* Migrated the artifacts from Dev to SIT to UAT and Prod.

**Environment:** MS build, .NET, IIS, Tomcat, Puppet, Perforce, Jira, Perl, Shell Scripting, Ant. WebSphere, Java/J2EE, ANT, MAVEN, JENKINS, JIRA, LINUX, XML and Windows Server 2008 server**.**

**WNS Global Services, Pune, India Aug 2010 - Sep 2011**

**Jr. Systems Engineer**

**Responsibilities:**

* Installed, Configured and Upgraded Red Hat LinuxRHEL4/5/6 operating systems.
* Installed and Configured Logical Volume Manager on Linux 6.
* Installed new or rebuilding existing Servers on Oracle Enterprise Linux and configuring hardware, peripherals, services, directories, storage as per the standards and project requirements.
* Implemented RAID techniques and the created Disk groups and volumes.
* Used VMware for testing various applications on different operating systems.
* Installation, Configuration, Administration and Troubleshooting of ESX 4.x/ESXi5.x, Virtual Center.
* Installed Red Hat Linux using Kick start with the help of HTTP server.
* Configured yum repository server for installing packages from a centralized server.
* Updated Servers with latest Patches using Local repo.
* Created Physical Volumes, Volume groups and Logical Volumes, implemented disk mirroring on LVM.
* Involved in day to day maintenance and troubleshooting problems related to Linux.
* Created slices or volumes, constructing file systems, monitoring free space, disk usage, Administration& monitoring of disk based file system. Knowledge on Nagios monitoring tool.
* Configured DNS, DHCP servers & Installation of Web logic, troubleshooting etc.

**Environment:** Red Hat Linux 4.x,5.x AS ES, IIS, Oracle 9i/10g, Samba, NT/2000 Server, Web sphere, Web Logic 8.1, VMware ESX 2.x, Apache Server 1.x,2.x, Bash.