**Sindhuja Talusani (Sr. DevOps Engineer) **

**Professional Summary**

* Over **7+ years** of experience in IT industry with major focus on **DevOps, Software Configuration** and **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 AWS cloud administration which includes services like – EC2, ECS, S3, EBS, VPC, ELB, Route 53, OpsWorks, and Direct Connect.
* Extensively used AWS Data pipeline to access, store and transform data.
* Hands on experience in writing scripts in Python boto framework and automate the build of various AWS related services.
* Extensively used cloud-formation templates to deploy the AWS based services onto the cloud.
* Experience in writing Custom scripts, workers and clients utilizing the AWS SDK to manipulate Amazon EC2and S3 resources.
* Experience in building and deploying Docker containers, using Dockerfiles.
* Proficient in orchestrating the Docker containers using the combination of tools like docker-compose and kubernetes.
* Hands on experience in installing and administrating CI tools like **Jenkins, Sonar, Subversion, Team foundation server**, **AccuRev and Nexus**, **Artifactory**.
* Experience in administering and supporting the CM tools including **Subversion** and **CVS** on **UNIX** environments.
* Extensively used **ANT** tool to do the builds, integrated ANT to Eclipse and did local builds.
* Experience in defining the manual and automation process of continuous integration and continuous deployment.
* Experience in and demonstrated understanding of source control management concepts such as **Branching, Merging, Labeling/Tagging** and **Integration**.
* Performed integration of Code Quality Analysis Techniques like Check styles, Find Bugs, Nunit, Open Cover and PMD with CI tools like Jenkins.
* Good knowledge in managing **Sonatype Nexus/**Artifactory repositories for the maven artifacts and dependencies.
* Extensive experience in working with Oracle **Weblogic, Apache Tomcat** applicationservers.
* Experience in maintaining and executing build scripts to **automate development and production builds.**
* Experience in application development, debugging, implementation, supporting dev team**, testing of Oracle based ERP** using **SQL, PLSQL**, and **Database Triggers** etc.
* 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.
* Knowledge of databases like **Oracle 10g/11g and MSSQL.**
* Experience in setting up of **Chef based cookbooks, recipes, attributes, templates and Ohai**.
* **Boot strapped** various enterprise **chef nodes** by setting up keys.
* Expert in writing **Puppet based Modules** and using the framework tools like **Hiera** extensively.
* Extensively developed automation test scripts for regression testing **(TestNg).**
* Extensively used **XPATH**, Regular expression and classes to perform UI actions.
* Hands on experience in working in both **Waterfall and Agile based methodologies**.
* Capable of handling multiple tasks and work effectively both in a group and as an individual to meet deadlines.

**Technical Skills**

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| Build Tools | MAVEN, Make, ANT, MS Build, Build Forge |
| CI/CD servers | Jenkins, TFS, and bamboo. |
| Database | Oracle, SQL, MY SQL, SQL Server |
| Configuration Management tools | Puppet, Chef, Ansible, SaltStack |
| Cloud services | AWS (EC2/SQS/SNS/S3/IAM/ELB), Azure, Rackspace, Openstack. |
| Monitoring Tools | Nagios, Graphite, AWS cloud monitoring, AppDynamics, Splunk |
| Version Control | Subversion, Git, Perforce and ClearCase |
| Web/Application Servers | WebSphere Application Server (WAS) 3.5, 4.0, MQSeries, WebLogic, Apache Tomcat, JBoss, Server, IBM HTTP Server. |
| Virtualization Tools | VMware vSphere, Oracle Virtualbox, VMware Workstation, Vagrant, Docker |
| Networking | TCP/IP, NIS, NFS, DNS, DHCP, WAN, SMTP, LAN, FTP/TFTP, VMware nexus switch, Cisco Routers/Switches, F5 load balancer. |
| RDBMS | IBM UDB2, Oracle 7.x/8.0/9i, MySQL, MS-SQL Server and MS-Access |
| Programming Languages | Java, Python, Perl, Ruby and Shell Scripting. |
| Operating  Systems | Windows, UNIX, LINUX, Solaris |

**Guardian Life Insurance, Bethlehem, PA April 2016 – Till date**

**Infrastructure Cloud Engineer/Sr. DevOps 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 (provider) to host Guardian products and services. The goal for this program is to migrate Guardian applications to the AWS Public Cloud for Guardian, (Dev, SIT, UAT, Prod, Perf, Break/fix, DR) Environments.

**Responsibilities:**

* Made proposals for architecture definition of external application integration on top of the Stack Design, Implementation, Debugging and Bug Fixing.
* Developed operating efficiencies through automation of targeted IT processes using new tools and processes.
* Provisioned AWS infrastructure using terraform Scripting.
* Developed and Maintained the Shell and Python scripts for the automation purposes.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with MSBuild and Maven to schedule the builds.
* Configured TFS to run continuous integration of builds and execute unit test on all check-ins for .net web applications.
* Developed Windows PowerShell script to automate setting of user credentials and activation of Windows Helping the Project team to get transformed to Scrum methodology using TFS 2012
* Worked with Cloud-based solutions like AWS (Amazon Web Services) for deploying on-demand Windows and Linux environments using EC2 and AMI, S3 and EBS for cloud storage services, ELB and Auto-scaling for load-balancing and highly scalable environments, VPC for virtual public and private networking.
* Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Docker, Maven, Python and Bash
* Replaced existing manual deployment and management processes with Puppet.
* Deployed code on Weblogic ApplicationServers for UAT, IST, and Development environments.
* Worked on the Oracle databases in the backend to execute the DMLs and DDLs.
* Installed and configured foreman with puppet for auto-provisioningLinux machines in AWS environments.
* Automated infrastructure in AWS using amazon web services. Deploy puppet to completely provision and manage AWS EC2 instances, volumes, DNS, and S3.
* Launched and configured of Amazon EC2(AWS) Cloud Servers using AMIs (Linux/Ubuntu) and configuring the servers for specified applications.
* Created automation standards for AppDynamics, IIS web server, WebSphere, MQ client, Control M agent, specific to guardian.
* Performed setup of clustered environment setups with WebSphere Application Server.
* Worked with the documentation of Migration process, AWS Deployment setup, Application Stack deployments and Troubleshooting Scenarios.

**Environment:** Puppet, MSBuild, Git, Bitbucket, Splunk, Visual Studio, Terraform, Shell scripting, Docker, WebSphere, Apache Tomcat, Jira, Jenkins, Bamboo, TFS,Windows PowerShell, Linux, Oracle, .Net web applications, AWS.

**Barracuda Networks** -**Campbell, CA** **Feb 2015 – March 2016**

**Sr. DevOps Engineer**

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 and configured AnthillPro/Jenkins for Automating Deployments and providing a complete automation solution.
* Wrote CFEngine bundles to make the implementations reusable.
* Created continuous integration system using Ant, JetBrains, Team City, full automation, Continuous Integration, fast and flawless deployments.
* Managed and analyzed Customer/Functional requirements, Generic UI Specification, Application use-case.
* Made proposals for architecture definition of external application integration on top of the Stack Design, Implementation, Debugging and Bug Fixing.
* Migrated Splunk from a search head pool to a fully clustered environment.
* Worked on PoC to improve cloud deployment reviewing CloudFormation, Chef and Terraform.
* Have an experience in AWS Network administration, AWS instance monitoring, troubleshooting deployment optimization, root cause analysis and preparing documentation.
* Hands on experience in implementing AWS services including EC2 services, various storage options like EBS, S3, EC2, ECS, Route 53 etc
* Automate infrastructure in AWS using Amazon web services. Deploy chef to completely provision and manage AWS EC2 instances, volumes, DNS, and S3
* Created all Splunk integration for containers with Red Hat's PaaS.
* Launching and configuring of Amazon EC2(AWS) Cloud Servers using AMI's (Linux/Ubuntu) and configuring the servers for specified applications
* Making use of PowerShell, Ruby, BASH, and other tools to automate a range of tasks in an OS diverse environment.
* Environment provisioning solutions using Docker, Vagrant, Red Hat Satellite.
* Implemented a Continuous Delivery pipeline with Docker, Jenkins and GitHub and AWS AMI’s
* Experience configuring, managing and deploying the LAMP stack preferred
* Used Build Forge for enterprise scale infrastructure configuration and application deployments.
* Presented on View Object pattern in Web Application Automation, Ruby, Power shell
* Integrated Subversion into Jenkins to automate the code check-out process.
* Wrote Ruby scripts to perform deploys to Tomcat Webserver and WebSphere App Servers.
* Proposed and implemented branching strategy suitable for agile development in Subversion.
* Imported and managed multiple corporate applications in Subversion (SVN).
* Automated Apache-webserver configuration, DB Server configuration, SSSD Configuration, LAMP by writing Ruby Cookbooks in Chef.
* Owned build farm and produced effective multiple branch builds to support parallel development.
* Managed the entire Release Communication and Co-ordination Process.
* Maintained the Shell and Python scripts for the automation purposes.
* Good understanding of NoSQLData bases and hands on work experience in writing applications on No SQL databases like Cassandra and Mongo DB.
* Deployed the static content into the web servers like Tomcat, IPlanet, and IBM HTTP Server.
* Deployed Dynamic content to Application servers like WebSphere and WebLogic.
* Involved in various NOSQL databases like HBase, Cassandra in implementing and integration.
* Involved in editing the existing ANT/MAVEN files in case of errors or changes in the project requirements.

**Environment:** Ant, WebSphere App Server, Windows, SaltStack, Quick Build, Perforce, J2EE, Cassandra, Expect, Oracle DB, Maven, SVN, Jenkins, Linux, Python, WebSphere, Shell scripting, AWS, WLST, Nexus, Chef

**Ciena Corporation**, **Hanover, MD Oct 2013 – Jan 2015**

**DevOps Engineer**

Ciena Corporation is a network specialist that focuses on providing communications networking solutions. The Company operates through four segments: Converged Packet Optical, Packet Networking, Optical Transport, and Software and Services. As a DevOps Engineer, my work is related to the datacenter migration which includes setting up a new Chef infrastructure to manage more than 4000 nodes, setting up OpsCode Chef for AWS EC2 instances, deploying applications, building and managing netapps and migrating volumes across netapps, production support and on call support.

**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.
* Jenkins is used as a continuous integration tool for automation of daily process.
* Installed/Configured and Managed Nexus Repository Manager.
* Involved in Agile Scrum model with PODs and provided the WBS for the User stories.
* Implemented the Chef cookbook SSSD to automate the integration process between RHEL and Windows AD using Kerberos keytab file.
* 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.
* Used existing cookbooks from Chef Marketplace and customizing the recipes with respect to each VM.
* Customized changes in Data Bags, Roles and Recipes.
* Involved in searching node attributes using Knife.
* Deployed the cookbooks, recipes using knife tool from Chef-DK Workstation to Chef-server
* Created user, rpm packages and patch management & configuration implementations.
* Responsible for maintaining the run list on chef-server.
* Maintained branches/forks in GITHUB version control for the changes made in cookbooks as per release.
* Automated Apache-webserver configuration, DB Server configuration, SSSD Configuration, LAMP by writing Ruby Cookbooksin Chef.
* Mentored team to configure workstation, bootstrap a node and deploy cookbooks.
* Good knowledge in querying data from Cassandra for searching grouping and sorting
* Responsible for Continuous Integration and Continuous Delivery process implementation from Dev to Eval, Eval to Pre Prod/ Pre Prod to Production systems using Jenkins, GIT, SVN, Chef automation tool.
* Implemented Nagios core/XI for monitoring Infrastructure resources.
* Automated Nagios alerts and email notifications using python script and executed them through Chef.
* Automated Nagios services for database server, web-server, application-server, networks, file sizes, RAM utilization, Disk performances using Python script in Chef.

**Environment:** Chef-DK, Chef workstation, Docker, Chef Server, Puppet, Jenkins, Linux, Solaris, WebSphere, Shell scripting, WLST, Nexus, SonarQube, , Nagios, Tomcat, Kubernetes, Chef Resources, GitHub, SVN, Jenkins, MongoDB, Web Services, Shell script, Python, Ruby script.

**Ameriprise, Minneapolis, MN June 2012 – Sep 2013**

**SCM Engineer**

Ameriprise Financial, Inc. is a diversified financial services company that offers financial solutions to individual and institutional clients. The Company operates in five segments: Advice & Wealth Management; Asset Management; Annuities; Protection, and Corporate & Other. As a SCM Engineer I was responsible for multiple application release cycles.

**Responsibilities:**

* Interacted with client teams to understand client deployment requests.
* Coordinated with the Development, Database Administration, QA, and IT Operations teams to ensure there are no resource conflicts.
* Worked closely with Project Managers to understand a code/configuration release scope and how to confirm a release was successful.
* Built, managed, and continuously improved the build infrastructure for global software development engineering teams including implementation of build scripts, continuous integration infrastructure and deployment tools.
* Managed the code migration from Subversion and to Git repository.
* Implemented continuous integration using Jenkins.
* Created repositories according the structure required with branches, tags and trunks.
* Attended sprint planning sessions and daily sprint stand-up meetings.
* Configured application servers (JBOSS) to deploy the code.
* Used sub modules in the GIT and educated users working with sub modules in GIT.
* Configured plugins for the integration tools to the version control tools.
* Worked with the developers to configure plugins trough Eclipse to develop the code.
* Checked in processes using Tortoise SVN as a migration tool.
* Developed automated build system for ASP.net web application through continuous integration tool Jenkins.
* Involved in migration of Bamboo server, Artifactory & Git server.
* Responsible for writing Hooks and Triggers using Perl. Built Java application using ANT.
* Developed and maintained Perl/Shell scripts for build and release tasks.
* Integrated Maven with Jenkins for the builds as the Continuous Integration process.
* Built Java code on to different Jenkins servers as per the schedule.
* Strong in building Object Oriented applications using C++ and Java, writing Shell Scripts and Perl Scripts on UNIX.
* Developed and maintained UNIX scripts for build and release tasks.
* Worked on Xen and evaluated gaps in Linux Kernel.
* Organized a daily stand-up post-deployment meeting to review all issues being tracked.
* Ensured every issue has an owner and that it is resolved while capturing the specific details about the issue, resolution, and which organizations and individuals provided the resolution.
* Installed and administered Bugzilla bug tracking system with MySQL database and Apache webserver on RedHat Linux.
* Documented all post-deployment issues in a log and assist in resolving these issues where applicable, maintaining timely updates within the log.

**Environment:** Perl Scripting, Puppet, Shell Scripting, Docker, Subversion, Jira, ANT, Maven, GIT, Jenkins, J2EE, Web sphere.

**JPMC, Chicago, IL (Offshore) April 2010 to May 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, Cruise Control.Net, and NAnt. Setup development and QA environments.
* Troubleshoot the automation of Installing and configuring .NET applications in the test and production environments
* Created and deployed web interfaces, reporting on multi-platform automated builds and test suites (TFS builds reporting, SharePoint Server, Cruise Control and IIS)
* Created and maintained the Shell/Perl deployment scripts for Weblogic and UNIX servers.
* Documented project’s software release management procedures with input decisions.
* 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.
* 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.
* Involved in editing the existing ANT files in case of errors or changes in the project requirements.
* Configured and maintained Cruise Control and Maven for automated build and release.
* Processed merging of branches whenever required
* Follow up integration testing environment for developers, web based builds to allow anytime and any branch builds.
* Developed & Designed the Structure of the Monitoring Tool.
* Performing Continuous Build, Developed 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, Perforce, Jira, Perl, Shell Scripting, Ant. WebSphere, Java/J2EE, TFS, ANT, MAVEN, JENKINS, JIRA, LINUX, XML and Windows Server 2003**.**