**Santosh Babu Endla**

**Summary**Santosh has 6 years of experience in IT industry in creating the company's DevOps strategy, responsible for automating, building, deploying and releasing the code from one environment to the other. He has a good understanding of scripting languages such as Windows Command Shell, VB Script, and Powershell. He has performed software analysis, design, development and testing of web applications and client / server applications using JAVA/J2EE. Santosh extensively worked on Continuous Integration Tools which includes Jenkins, Hudson, RTC (rational team concert), TFS to automate the build and deployment process. He has also deployed Azure IaaS virtual machines Cloud services (PaaS role instances) into secure VNets and subnets in past projects.

**Technical Skill Set and Tools**

* **Cloud Technologies :** AWS, MS Azure, IBM Bluemix
* **Amazon Web Services :** IAM, AMI, EC2, EBS, VPC, Cloud formation, ElastiCloud, ELB,

Security Groups, Firewalls, RDS, Route53, Kinesis

* **Web servers :** Apache HTTP Server 2.x, ERS (Enterprise Ready server), IIS, Nginx.
* **Application Servers :** Tomcat 6.0.x/7.0.x/8.x,Jboss 6.x/7.x, Wildfly 8.0, WebSphere, WebLogic
* **Databases :** MS Sql server, DB2, MySql, Postgres sql, MongoDB
* **Operating Systems :** Red Hat Enterprise Linux, Solaris, Cent OS, Ubuntu, Windows 8/10.
* **Languages :** C, Java, J2EE (Html, Servlets, Java script, JSP), Spring, Python, HTML, XSD.
* **Tools/Utilities :** Eclipse, IBM Rational Rose, JDeveloper
* **Testing Tool :** Junit, Selenium, Jasmine
* **CI/CD & Monitoring Tools**: Jenkins, TeamCity, uDeploy, Nagios.
* **Repositories :** Nexus, MVN repository
* **Scripting :** Bash, python, yaml, Gradle.
* **Source Control Tool :** GIT, SVN, ClearCase.
* **Issue tracking Tools** : Atlassian JIRA, Bugzilla.
* **CM Tools** : Ansible, Chef, Puppet
* **Container Service** : Docker, kubernesis

**Certifications**

AWS Certified Solutions Architect(CSA) - Associate

**AWS-ASA-35666**

**Professional Experience**

**Cloud Systems Engineer  
ADP  
Alpharetta, GA  
September 2015-July 2017**

* Installed Red Hat Enterprise Linux 5.x/6.x, CentOS and installation of packages and patches for Red Hat Linux Servers.
* Installed, Deployed and maintenance of Enterprise Applications on Tomcat.
* Deployed Azure IaaS virtual machines Cloud services (PaaS role instances) into secure VNets and subnets.
* Designed VNets and subscriptions to conform to Azure Network Limits.
* Exposed Virtual machines and cloud services in the VNets to Internet using Azure External Load Balancer.
* Create Cache Memory on Windows Azure to improve the performance of data transfer between SQL Azure and WCF services.
* Leading Cloud Business strategy ideation, cloud initiatives for storage, regulatory reporting, valuation and analytics.
* Build microservices for the delivery of software products across the enterprise
* Worked directly with the Azure Product team in tracking and resolving defects in beta Azure IaaS offering
* Created puppet modules network configurations using puppet Server.
* Designed and implemented Platform as Service architecture for middleware by automating Application and web server’s installation/configuration/deployment and configuration through Puppet.
* Manage Web Applications, Configuration Files, Data Base, Commands, Users Mount Points and Packages.
* Used Foreman tool along with Puppet for managing, provisioning and configuring servers and to automate tasks to easily deploy applications on VMs, bare-metal and cloud instances.
* Used python and Django creating for XML processing, data exchange and business logic implementation.
* Used python scripts to update content in the database and manipulate files.
* VPC design, Cloud formation scripts, AMI, Consolidated Billing for multiple AWS accounts, Design Audit compliance through Trusted Advisor, Design logging framework for cloud watch for all deployed apps.
* Release Management, ITIL process for production escalations, Problem Management, Change management.
* Worked highly complex integrated and highly scalable application Architecture.
* Performed WebLogic 10.0.x/10.3.x server administration tasks such as installation, configuration on HP-UX.
* Built a prototype Azure application that accesses 3rd party data services via Web Services. The solution dynamically scales, automatically adding/removing cloud based compute, storage and network resources based upon changing workloads.
* Provisioning, operating, and maintaining systems running on AWS and Configuration management using Chef and Ansible.
* Created Shell scripts to multiple batch jobs.
* Automated tasks using powershell.
* Deploying a banking service platform in AWS through Ansible automation.
* Deployment and management of many servers via script, utilizing cloud providers as a direct substrate for implementation.
* Designed and implemented Platform as Service architecture for middleware by automating Application and web server’s installation/configuration/deployment and configuration through Chef.
* Manage Web Applications, Configuration Files, Data Base, Commands, Users Mount Points and Packages.
* Used Foreman tool along with Chef for managing, provisioning and configuring servers and to automate tasks to easily deploy applications on VMs, bare-metal and cloud instances.
* Installing, configuring and administering Jenkins Continuous Integration tool on Linux machines along with adding/updating plugins such as SVN, GIT, Maven.
* Deploying application using Jenkins server and Troubleshoot build and release job failures, resolve, work with engineers on resolution.
* Responsible for Designing, Building, installation, configuration, tuning, security, backup, recovery and upgrades of RedHat Linux.
* System administration including user, system & group management, system updates, performance monitoring, backup/recovery, disk & storage management.
* Worked on the GIT branching for applications by creating Release branches, Development branches thus ensuring the integrity of applications.
* Logged events from forced crash dumps and troubleshoot server issues.
* Configured yum repository server for installing packages from a centralized server and Performed Disk management with the help of LVM and performed system Backup and Recovery.
* Configuration and Administration of Apache Web Server and SSL Certificates.
* Installed and configured monitoring tool Nagios for monitoring server's network bandwidth and the hard drives status.
* Troubleshooting Network, memory, CPU, swap and File system issues, TCP/IP, NFS, DNS, and SMTP in Linux servers.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.

Worked with development teams and business areas to plan future requirements and hold regular meetings to review usage as well as create, revise and report for future requirements.

**Environment**: Linux (RHEL 5.x/6.x), Solaris 10/11, Microservices, MS Azure, Amazon Cloud - EC2 (Security Groups, Elastic IP's, Load balancers, Auto scaling groups, Placement Groups), S3, Elastic Bean Stack, Direct Connect, VP3, Route 53, Cloud watch, OpsWorks & IAM. RedHat Satellite Server, Jenkins 1.x, Weblogic 11, WebSphere 7.0/8.0, Apache Tomcat 6.x/7.x, Python 2.7, VMware ESXI 4.x & 5.x, Apache 2.x, GIT, Nagios 4.x/5.x

**Build & Release Engineer**

**GEICO**

**Chevy Chase, MD**

**October 2013- June 2015**

* Administration of RHEL 4.x/5.x/6.x and Solaris 9/10/11 includes installation, testing, tuning upgrading, patching and Troubleshooting day-to-day issues.
* Creating Amazon EC2 instances using command line calls and troubleshoot the most common problems with instances and monitor the health of Amazon EC2 instances and other AWS services.
* Delivery of Enterprise Data Platform reducing delivery time by 24% enhanced Cloud based architectures leveraging AWS
* Created prototype for large data set analytics using Python, Amazon Web Services that enables business efficiency.
* Managed chef client and nodes. Deployed application on node.
* Used Chef for configuration management and to write cookbooks and recipes.
* Rewrite existing Python/Django modules to deliver certain format of data.
* Performed architecture improvement to achieve 15% throughput, created Proof-of-Concept (PoC) used Python, J2EE, AWS Cloud.
* Written Manifests and Ruby scripts to customize the Chef as per the environment.
* Deliver highly scalable robust large volume data platform in Amazon Web Service, S3, Dynamo DB   
  Significantly increased efficiency by 30% Owned release cycle and cross-platform migration, mentored junior developers.
* Worked on taking regular backups for amazon cloud instances and setting up of environments for the application launching.
* Performed physical to virtual, Virtual to Virtual migration of servers to support the Data center migration project.
* Used Puppet to manage Web Applications, Configuration Files, Data Base, Commands, Users Mount Points and Packages.
* Graphically author and manage PowerShell resources including runbooks, DSC configurations and DSC node configurations
* Ansible, Automation, Continuous Integration through Jenkins.
* Ansible, Automation, Build Deployments, Continuous Integration through Jenkins and GO SDLC pipeline.
* Involved installing and managing different automation and monitoring tools on Redhat Linux and Nagios.
* Worked with different types of manifests, to deploy Applications servers like Apache Tomcat, Webserver like Apache, configuring users, Sudo user permissions, SSH and mount points creation.
* Installing, configuring and administering Jenkins Continuous Integration tool on Linux machines along with adding/updating plugins such as SVN, GIT, Maven, ANT.
* Researched and implemented an Agile work flow for continuous integration and testing of applications using Jenkins.
* Managed SSL certificates for web and the application servers.
* Used RHEL 5.x, 6.x Satellite servers for patching the servers in the environment.
* Supporting Java based applications like JBoss, WebLogic and WebSphere and involved in J2EE application deployment activities.
* Installed and configured SSH & SSL for secured access on Linux Systems.
* Implemented rapid provisioning and life cycle management for Redhat Linux using kick start.
* Wrote Shell scripts and for day-to-day administration and create scripts to automate the deployment.
* Creating, cloning Linux Virtual Machines, templates using VMware Virtual Client and migrating servers across ESX hosts.
* Configuring server monitoring tool Zabbix and monitoring the server status.
* Managing systems routine backup, scheduling jobs like disabling and enabling CRON jobs, system logging of servers for maintenance, performance tuning, testing.
* Performed weekly and on-call deployments of application codes onto different environments like DEV, QA, UAT and PROD.

**Environment**: Linux (RHEL 5.x/6.x), Chef, Powershell, AWS Cloud Certification, Agile SCRUM, Apache/ Web Server, WebSphere Application Servers 7.x/8.x, Oracle 11g, Nagios 4.x, Jenkins, DNS, NFS, Shell Scripting, Python scripting.

**Systems Engineer**

**SONATA Software**

**Hyderbad, India**

**April 2011- September 2013**

* Involved in developing User interface using JSP, JavaScript, jQuery, HTML5, and CSS/CSS3.
* Involved in developed and deployed the Ajax applications in the java language using the java development tool Eclipse.
* Involved in translating the Java applications to java script files using the GWT cross complier.
* Used Apache web server for application development and testing purposes.
* Used Eclipse for building the application.
* Amended the presentation layer of the application using Servlets and JSP.
* Used JavaScript for client side validations.
* Used JSON for data exchange between application modules.
* Involved in testing complete flow of the modules.
* Used Log4Javascript for Logging Errors, debugging and tracking.
* Experience in working with AWS provided Solutions like EC2, VPC, Route 53, RDS, S3, Cloud Watch.
* Worked on AWS EBS Volumes, Cloud Formation and Cloud Watch services.
* Setup and build AWS infrastructure various resources, VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates.
* Wrote Scripts to spin up servers on the Developer workstations and in AWS.
* Administrating the Subversion / Hudson and maintain the Development and QA Environment.
* Installing and configuring servers, applications and day to maintenance of existing and new servers.
* Performing day to day admin activities like managing LVM, file systems, user creations, permission, administration and device configuration and Sun Solaris 10 and Redhat Linux.
* Install and administrating middleware product like WebLogic and Tomcat in various environments.
* Experience installing and administrating monitoring tools such as Nagios.
* Automate & monitor daily project development & nightly builds using Hudson /maven.
* Assist in resolving development, testing and production issues with release packaging and deployment when they arise and Promote industry best practices regarding build and development standards.
* Troubleshooting issues with builds and compiler tools. Drive the resolution of build failures.
* Coordinate system build activities to ensure each system is documented including all hardware components, OS versions and application software versions.

**Environment:** Java, Log4j,Java script, Sun Solaris 10, Amazon Web Services, Solaris Sparc, Redhat Enterprise 5.0(Linux), Bea Weblogic, Tomcat, IIS, Subversion, Unix Script, Hudson, Apache-Maven, Ant, Agile Methodology, JMeter, Jira, Oracle 10/11g, TOAD.

**EDUCATION**

Bachelors of Technology in Computer Science & Engineering.

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| **GEICO** | | |
| **Position** | Build and Release Engineer |  |
| **Employment Dates** | 06/03/2013 - 06/01/2015 |  |
| **Reference** | Team Manager |  |
| **Reference type** | Standard |  |

**Project Description**

* I was his direct supervisor. He was part of my team from 2013 to 2015 I believe.

**Cultural Environment**

* Basically, we worked on an internal project at GEICO. It was a migration project. We were pipelining entire modules. He played a key role in this mission. He acted as a bridge between the Dev team and testing team.

**Job Duties & Technologies**

* He carried things like maintaining repositories, creating branches, performing hot fixes. He helped with organization while we were deploying products to the AWS cloud. He interacted with architects, leads, network admins and he even attended some crucial code reviews.

**Technical Performance & Ability**

* We haven't used PowerShell, but then we had used python and shell scripting during configuration management to automate modules. Yes, he even had experience working with different databases; CI/CD, writing scripts and configuration management and maintaining cloud was his strong area.

**Non-Technical Skills**

* He always guided entry level people. I liked how he was always saying yes to things when I asked him to take on new projects. He enjoyed challenging projects and was punctual. He also shares his knowledge among teammates.

**Strengths & Areas for Improvement**

* He is good at maintaining relationship with customers and respecting client needs. He is a self motivator. He is excellent at build and release in different environments.

**Attendance & Reliability**

* I used to assign server monitoring to him on week-offs, because he is cautious and always awake and alert. As a lead, I always felt safe handling things over to him.

**Rehire Eligibility**

* Yes, I would rehire him for build & release project.

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| **ADP** | | |
| **Position** | Sr. Cloud Systems Engineer |  |
| **Employment Dates** | 09/07/2015 - 05/12/2017 |  |
| **Reference** | Manager |  |
| **Reference type** | Standard |  |

**Project Description**

* The project was data processing and automation like Oracle and MySQL servers on the backend and use Weblogic application servers as well. We mostly depend on AWS cloud infrastructure with Azure in beta form. Cloud is our first strategy. Mostly we work on Linux machines in the environment. My team is developing design, road maps and POC implementations. For automation, we were using PowerShell and for configuration management we used puppet.

**Cultural Environment**

* He interacted with team leads from the dev team and ops teams, web admins for authorizations and solutions architects during production instances.

**Job Duties & Technologies**

* I can tell that he is a cloud infrastructure guru; spinning up the instances and playing around RDS, cloud watch and cloud formation templates. He can even do the stuff like product build and release and configuration management during sprints in the production environment. Eventually he dealt with backend servers like Oracle. He also performed administrative tasks with PowerShell.

**Technical Performance & Ability**

* As I said earlier, he is good at build and release in different environments. And automating tasks, writing scripts using shell and PowerShell and python as well. He is good at cloud, both AWS and Azure, things like maintaining services and dealing with application servers.

**Non-Technical Skills**

* Very punctual. He would follow up with SME’s if he didn’t know the things or how to deal with issues. Always maintained healthy relationships with everyone in the organization.

**Strengths & Areas for Improvement**

* His best skills are AWS infrastructure and he has good scripting skills. He is good with the Configuration management tool Chef; writing cook books, recipes etc. He also the SPOC (single point of contact) on the team.

**Attendance & Reliability**

* He worked very hard; never had issues with attendance. He loves to accept challenges.

**Rehire Eligibility**

* I like this question, my answer is a big YES.