**Raghuteja Pandellapalli**

**AWS/DevOps Engineer**

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**(508)-475-9797**

**Professional Summary:**

Over 7+ years of industry experience in AWS and DevOps with strong innovative and technical background. Possess strong interpersonal skills with excellent verbal and written communication skills and have the ability to effectively interact with all levels of employees including senior management.

**Core Highlights:**

* Proficient working with Amazon Web Services provided services like **EC2, EBS, ELB, S3, RDS, VPC, SNS, Route 53, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, Auto Scaling, IAM, Elastic Bean Stalk, Data Pipeline and Security Groups** in a highly available and scalable production environment.
* Experienced in Linux Administration, Software Configuration Management/Release Management (SCM/RM), related tools and processes.
* Resolved /Helped Linux(Redhat Linux, Amazon Linux, Ubuntu) issues in AWS cloud such as deploying , performance tuning, autoscaling, dhcp issues, instances stuck,, unable to login, lost keypair, unable to boot, account compromised issues, Identifying root cause after checking customer cloudtrail logs, reserved instances, EBS snapshots, AMIs, latency issues in cloud with their application, DDOS attacks, cloudwatch alerts, ssl certs deployments for apache, ELB certs deployment and as well as architecting applications for fault tolerance and for disaster recovery.
* Helped customers deploying their applications in AWS cloud using **Opsworks**(managed Chef), Codedeploy, Elastic beanstalk, trouble shooting customer's cloud formation stacks,
* Worked with team collaboration tool like **Slack**.
* Wrote Lambda functions in python for **AWS's Lambda** which invokes python scripts to perform various transformations and analytics on large data sets in EMR clusters.
* Have worked extensively with continuous integration, continuous delivery and configuration management tools like **Chef, Puppet, Salt, Hudson, Ansible, Jenkins** and **Openstack.**
* Have Experience in working with RESTful services using **Java/J2EE** (**Spring, MyBatis, RabbitMQ**)
* Strong experience in **Spring Web Flow** and MVC, Template and IOC (Inversion of Control).
* Has experience in using web servers like **Apache** and **Tomcat**, **Websphere**, **Weblogic** and **JBOSS** for deployment and hosting.
* Implemented CI using **Jenkins** with automated unit tests and code quality analysis like **SonarQube, Cobetura.**
* Have experience in implementing the **RabbitMQ** to improve the performance and flexibility.
* Have experience in Installation and troubleshooting of **LAMP** **Stack**.
* Has the ability to build deployment, build scripts and automated solutions using scripting languages like **Shell scripting (kasha, Bash), Python, Ruby, Perl, PHP**.
* Have experience in working with software Build automation and standardization tools like **ANT, Maven**, and **Gradle**.
* Managed system configuration by developing **Chef Cookbooks** and **Recipes**.
* Experienced in working with **Jira** and **Confluence.**
* Have a deep understanding of Version control tools such as **Subversion (SVN), GIT, Clearcase.**
* Proficient with container systems like **Docker** and container orchestration like **EC2 Container Service**, **Kubernetes**.
* Worked with **Terraform.**
* Worked closely with the development teams to achieve high quality, highly available and dynamic solutions.

**Certifications**

* **AWS Certified Solutions Architect – Associate Level**
* **AWS Certified SysOps Administrator – Associate Level**

**TECHNICAL SKILLS**

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| **Cloud Platform** | AWS, Microsoft Azure, and Open stack. |
| **Configuration Management** | Chef, Puppet, Ansible, Docker, Gradle, Splunk, Vagrant, Maven,OPS Works. |
| **Database** | Oracle, DB2, MySQL, MongoDB, Cassandra, SQL Server, MS Sql. |
| **Build Tools** | ANT, Maven, Hudson, Rally, Jenkins, Make file, TerraformBAMBOO, Code Deploy. |
| **Version Control Tools** | Subversion (SVN), Clear case, GIT, GIT Hub, Perforce, Code Commit. |
| **Web Servers** | Apache, Tomcat, Web Sphere, Nix, JBOSS, WebSphere. |
| **Languages/Scripts** | C, C#, Java, HTML, Shell, Bash, Python, PHP, Ruby and Perl. |
| **SDLC** | Agile, Scrum. |
| **Web Technologies.** | HTML, CSS, Java Script, JQuery, Bootstrap, AngularJS, XML, JSON, XSD, XSL, XPATH. |
| **Operating Systems** | Linux, Windows, Redhat, Ubuntu,CentOS, SUSE. |

**Qualification*:***

* Bachelors of Technology, Hyderabad, India

**Employment History**

**JPMorgan Chase&Co. – Jersey City, NJ. October 2015 – Present**

**AWS DevOps Engineer**

**Key Responsibilities:**

* Involved in designing and deploying a large applications utilizing almost all of the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto-scaling in **AWS CloudFormation**.
* Working on migration project of moving current applications in traditional datacenter to AWS by using AWS services.
* Launching **AmazonEC2** Cloud Instances using Amazon Web Services (Linux/ Ubuntu/RHEL) and Configuring launched instances with respect to specific applications.
* Installed application on **AWS EC2** instances and also configured the storage on **S3 buckets.**
* Managed **IAM** policies, providing access to different **AWS** resources, design and refine the workflows used to grant access.
* Created **AWS Route53** to route traffic between different regions.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using **AWS Cloud watch.**
* Deployed and managed web applications and services into AWS by using **Elastic Bean Stalk**.
* Managed servers on the **Amazon Web Services (AWS)** platform instances using **Puppet, Chef Configuration management.**
* Designed AWS Cloud Formation templates to create custom sized **VPC**, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Created **Chef** Automation tools and builds, and do an overall process improvement to any manual processes.
* Written **Chef Cookbooks** for various DB configurations to modularize and optimize end product configuration.
* Converting production support scripts to **Chef recipes.** And AWS server provisioning using **Chef Recipes.**
* Involved in writing **Java API** for Amazon **Lambda** to manage some of the AWS services.
* Experience with Build Management tools Ant and Maven for writing **build.xml** and **Pom.xml.**
* Experienced in build and deployment of **Java applications** on to different environments such as **QA, UAT** and Production.
* Worked with **Spring MVC** architecture and Spring Bean Factory using IOC. Configured Bean properties using dependency injection.
* Branching, Tagging, Release Activities on Version Control Tools: **SVN**, **GitHub.**
* Implemented Continuous Integration using **Jenkins** and **Hudson.**
* Configuring and deploying OpenStack Enterprise master hosts and **OpenStack node hosts**.
* Experienced in deployment of applications on **Apache Web server, Nix** and Application Servers like **Tomcat, JBoss.**
* Used **Spring IOC** to define all the workflows as beans and load the corresponding dependencies for the workflows.
* Worked on developing the backend part of the application involving **Spring 3**, **JPA** and **Hibernate**
* Implemented unit testing framework driven using **Junit** and **Cucumber**.
* Virtualized the servers using the **Docker** for the test environments and dev-environments needs. And also configuration automation using **Docker** containers.
* Experience with Bug tracking tool like **JIRA, Bugzilla and Remedy.**
* Worked with various scripting languages like **Bash, Perl, Shell, Ruby, PHP** and **Python.**
* Coordinated with the Offshore and Onshore teams for Production Releases.

**Environment:** Amazon Web Services, IAM, S3, EC2,VPC, cloud watch, Nix, ANT, Maven, Tortoise SVN, GitHub, Chef, Puppet, Ansible, Docker, Java, Agile, Apache HTTPD, Apache Tomcat, JBoss, Junit, Cucumber, Json, Bash, Shell, Perl, Python, PHP, Ruby.

**United Health Group - Minneapolis, MN. May 2014 – Aug 2015**

**AWS DevOps Engineer**

**Notable Responsibilities:**

* Used AWS cloud services like **EC2, VPC, Auto scaling** to build highly scalable, secure and flexible systems to handle expected and unexpected load bursts.
* Defined and Implemented Configuration Management and Release Management Processes, Policies and Procedures.
* Managed and improved the build infrastructure for global software development engineering teams including implementation of build scripts, continuous integration infrastructure and deployment tools.
* Created Development Environments in Amazon Web Services using services like **VPC, ELB, EC2** and **RDS** instances.
* Build and configured a virtual data center in the Amazon Web Services cloud to support Enterprise Data Warehouse hosting including **Virtual Private Cloud (VPC)**, Public and Private Subnets, Security Groups, Route Tables, Elastic Load Balancer.
* Created monitors, alarms and notifications for **EC2** hosts using CloudWatch.
* Creating **S3** buckets and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
* Used Configuration Management tool **Chef** & created Chef Cookbooks using recipes to automate system operations.
* Worked with Engineers on providing the configuration details of the DEV environments and assisting in Creating **Chef** recipes for a Proof of Concept.
* Administered and Engineered Jenkins for managing weekly Build, Test and Deploy chain, **SVN/GIT** with Dev/Test/Prod Branching Model for weekly releases.
* Created and maintained Subversion repositories, branches and tags and Experience.
* Enforced development policies using **Subversion** hooks and other **metadata**.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using Subversion source control.
* Developed build and deployment script using **ANT,** Shell to Setup development and QA environments.
* Used **UDeploy** as Continuous Deployment tool and to setup automated and scheduled deployments.
* Maintained build related scripts developed in **ANT** and **Shell.** Modified build configuration files including Ant build.xml.
* Deployed code on WebSphere application servers for Production, QA, and Development environments.
* Used **Oracle** Database Change Notification to synch the database and the cache.
* Implemented Database access through JDBC at Server end with oracle.
* Performance tuning of WebSphere application server including **JVM, Garbage** Collection, **JDBC** along with its server logs.
* Planned release schedules with agile methodology & coordinated releases with engineering & SQA for timely delivery.
* Installed, configured and maintained **DNS, FTP, TCP/IP** and Samba on Red Hat Linux.

**Environment:**  Amazon Web Services (EC2, VPC, S3, RDS, ELB, Autoscaling), Chef, Vagrant, Scrum, Subversion (SVN), ANT, UDeploy, DB2, Shell Scripts, WebSphere Server.

**Cerner Corporation - Kansas City, KS. Mar 2013 - Apr 2014**

**DevOps Engineer**

**Notable Responsibilities:**

* Built and deployed applications using technologies like **Chef, Jenkins** and **Maven**.
* Well versed with configuration management policies and practices with regards to SDLC along with automation by using scripting languages like **Shell**, **Python** and **Perl** Scripting.
* Deployed releases to the production environment and assisted the project teams in troubleshooting the issues.
* Worked with Version Control tools like **GIT** and **SVN**.
* Created branches in **GIT** implementation parallel development process.
* Worked on **Maven** creating artifacts through source code and internal deployment in **Nexus** repository.
* Worked extensively with **Nagios** monitoring system as well as other monitoring tools.
* Experienced in installation of software tools in a DevOps Environment.
* Implemented and maintained automated tools which support DevOps processes.
* Used **SonarQube** for code quality.
* Extensive experience in creation and management of **Chef** POC environment.
* Has experience in installing packages using **YUM** and **RPM** on **Nix**.
* Installed Jenkins on Linux machines and created master and slave configurations to implement multiple parallel builds.
* Performed DevOps for Linux, Mac and windows platforms.

**Environment:** SVN, GIT, ANT, Maven, Chef, Puppet, Jenkins, UNIX, Linux, Perl, Bash, Python, Ruby,   
Weblogic, Tomcat, JIRA, SonarQube.

**Catholic Health Initiatives – Denver, CO Aug 2012 – Jan 2013**

**Build/Release Engineer**

**Notable Responsibilities:**

* Provided centralized software configuration management for enterprise application projects in a multi-tiered high-availability environment.
* Created and maintained **Shell and Python** scripts for building applications.
* Wrote Perl/Shell scripts for deployments to **Websphere** and **Weblogic** Application servers.
* Automated creating projects in **Jenkins** and **Nexus** repository as release process.
* Worked closely with developers, project managers and product owners to setup the road map, resolve issues related to merging of subversion code.
* Gathered Information from the Clients and provided consultation by performing POC and setup the Build/Deployment and Release Management.
* Performed Risk Analysis, prepared Mitigation Strategies & Contingency Plans.
* Coordinating Release effort amongst various teams (Development, QA, Testing, and Business Analysis) in geographically separated environment.
* Worked with Subversion, Proposed and implemented branching strategy suitable for **agile/scrum** development in a Fast Paced Engineering Environment.
* Integrated Subversion for automating builds with **Jenkins**.
* Managed the **Subversion** branching strategy for a few applications by creating Release branches, Development branches thus ensuring the integrity of Trunk.
* Migrated and managed large production systems on Amazon AWS
* Competently performed the job of resolving conflicts while merging in Subversion with the **J2EE** development background.
* Tweaked and managed the builds by editing **build.xml** for change in the requirements.
* Deployed the archives to **WebLogic** Application Servers.

**Environment:** Subversion, Ant, Jenkins, NEXUS, Install Shield, Shell, Python, Ruby, Perl, AWS, WebLogic Servers**.**

**L&T InfoTech Ltd, Hyderabad, India. June 2011 – July 2012**

**Linux System Administrator**

**Notable Responsibilities:**

* Responsible in solving any technical problems related System administration.
* Maintaining and Troubleshooting of FTP Server, Samba Server of the client.
* Handling the day-to-day Operations, Install software, apply patches, manage file systems, monitoring performance and troubleshoot alerts, Solve Server Problems in LINUX.
* Worked on VMware, VMware View, vSphere 4.0. Dealt with ESX, ESXi servers.
* Responsible for Building & configuring **Redhat Linux systems** over the network, implementing automated tasks through crontab, resolving tickets according to the priority basis.
* Automated installation of **RedHat Linux** for multiple production servers using Kickstart.
* Developed and supported the Red Hat Enterprise Linux based infrastructure in the cloud environment.
* Handling **Logical Volume Manager (LVM)** related tasks, Creating, resizing LVM, Veritas Volume manager and also managing Cluster environment using Veritas Cluster suite.
* Configuring and maintaining system securities using IPTABLES.
* Experienced in networking with LAN, WAN, Routers, Gateways, etc.
* Performed the automation using **Chef** Configuration management and managing the infrastructure environment with Puppet.
* Deployed **Puppet**, **Puppet Dashboard**, and **Puppet DB** for configuration management to existing infrastructure.
* Managed patches configuration, version control, service pack and reviews connectivity issues regarding security problems.

**Environment:** Red Hat Linux (RHEL 5/6), CentOS, MYSQL, DNS, NIS, NFS, Apache, Tomcat, Logical   
Volume Manager, Global File System, Chef, Puppet.

**Airtel, Hyderabad, INDIA Jul 2009 – May 2011**

**Linux Administrator**

**Notable Responsibilities:**

* Setting up systems by planning and executing the selection, installation, configuration, and testing of web application server hardware, software, LANs and WANs.
* Troubleshooting system hardware, networks, software, and operating system problems and taking appropriate actions by communicating with the IT staff or vendors in performing troubleshooting process.
* Configure volume groups and logical volumes, extended logical volumes for file system growth using **Logical Volume Manager (LVM)** commands.
* Help tune performance and ensure high availability of infrastructure by constant monitoring and analyzing servers and resolve any problems.
* Involved in Hardware and software evaluation, recommendation and vendor management.
* Assisted with development and changes as per the needs of maintaining DR environment and maintained integrity of security by creating group policies across domains.
* Performed user account management, data backups and user login support.
* Handled and maintained user data backup by creating user folder in File Server and applying security permission on folders.
* Maintained reports, created users and manage user permissions on Linux servers.

**Environment:** RHEL, HCMP, LVM, Sun Solaris, Apache1.3, DNS, NFS, NIS,NAS,SAN, Oracle 8i TSM, Work Load ManageruPAR, VERITAS Netback up, NIM, Samba, Dell Power Vault, Storage TEK.