**Manasa Govindu**

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**Professional Summary**:

* Over 2 years of Experience in Implementing Organization **DevOps** strategy in various environments of **Linux** and **windows** servers along with adopting cloud strategies based on **Amazon Web Services**.
* Good knowledge in Cloud Technologies like Amazon Web Services **(AWS) VPC, EC2**,, **S3**, **IAM, RDS, Route 53, Cloud Watch, RDS, Amazon Glacier**  and **EBS volumes** and Microsoft Azure .
* Worked in various Environments like **waterfall, Scrum and Agile**.
* Good knowledge of using version control systems like **GIT,SVN**
* Having good exposure in **Jenkins** for **CI (Continuous Integration)** and alsoUsing **Jenkins to** manage and Build code with Authorization.
* Good knowledge in automated **build platforms**/**continous integration** using **DevOps** architecture.
* Good Knowledge of using different configuration management tools like **Chef, Puppet and Ansible**
* Good knowledge of using **Chef** to Visualize and report on operational events.
* Have good exposure in Configuration of **Puppet Master** and **Puppet agents**. And also Strong use of **GIT** to update code in **Puppet** **Agents.**
* Utilize **Puppet** for configuration management of hosted instances within AWS**.**
* Good exposure on usage of **Ansible** for Continous integration.
* Deploy Ansible and Jenkins to completely provision and manage **AWS EC2 instances**, volumes, **DNS, and S3**.
* Migrated existing infrastructures over three AWS accounts into VPCs managed by Cloud formation
* Good Knowledge of using different protocols like **FTP, SSH, HTTP, HTTPS** and Connect direct.
* Having good administration/Automation knowledge in all windows Servers **(2000, 2003, 2008, 2012 R2)**, **BMC portal** monitoring tools.
* Have good exposure on Linux, Networking, monitoring tools& Debugging.
* Good knowledge on Maintaining and Monitoring the Application/Servers using **Nagios**.

**Professional Experience**

**Build Automation**

* Good Knowledge in writing build scripts using build automation tools -**Maven**
* Aware of packaging developed code as jar/war/ear files as per project requirement.
* Good Exposure in automating/scheduling builds using in Continuous Integration tools – **Jenkins**

**Deployment/Release Management :**

* Experience in releasing code from Local Build Machines to different test environments, L&P and Production.
* Experience in automating deployments using Maven, Shell scripts, Jenkins, Chef, Puppet
* Experience in scheduling the deployment profile creation process using ANT scripts and Cron jobs.

**Middleware Server Management/Monitoring**

* Experience in managing configurations, deployments and monitoring middleware servers – Tomcat, Jboss & WAS
* Experience in deploying web content, managing SSL certificates and load balancer configurations in Apache web server
* Aware of connectivity between app and web server in enterprise web applications

**Automation**

* Experience in Automating – Build and Deployment activities, Server monitoring, Content Deployments and other day to day jobs using Shell & Gradle scripts, Jenkins, Ansible, Docker, Nagios tools.

**Automation/Monitoring Tools**

* **Jenkins –** used for scheduling build and deployment activates, integrated Nexus Repository to Jenkins
* **Ansible –** used Ansible for cloud provisioning, configuration management and application deployment
* **Docker –** Knowledge on Vagrant & Docker based container deployments to create shelf environments for dev teams and containerization of environments delivery for releases
* **Puppet –** Experience in installing and configuring an automated Puppet that included the installation and configuration of the Puppet master, agent nodes and an admin control workstation.
* **Chef -** Expertise in Application Deployments & Environment configuration using Chef, Puppet
* **Nagios, App Dynamics –** worked on Nagios and App Dynamics for monitoring systems
* Experience in writing the infrastructure automation scripts in Python and Ruby

**Source Code Management**

* Experience in Administration/Maintenance of Version control systems SVN, GIT and knowledge of Clear Case, Perforce.
* Knowledge on source controller concepts like Branches, Merges and Tags
* Experience in User Control such as profile creation, user access control, repository access control etc

**Cloud Platform**

* Working knowledge of AWS or other cloud technologies.
* Worked with AWS VPC, EC2, S3, Route 53, IAM, Elastic Beanstalk, and RDS services.
* Worked with Amazon IAM console to create custom users and groups
* Experience in implementing and managing continuous delivery systems and methodologies on **AWS.**
* Deployed **Microsoft Azure** cloud services in a continuous integration environment.
* Worked on building and testing an **OpenStack** based cloud to prepare for a migration.

**Technical Skills:**

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| --- | --- |
| **Data Base** | Oracle 10.x, My SQL 5.0.2, SQL Server 2005, |
| **Cloud Technologies**: | AWS (VPC, EC2, S3, Cloud Watch, RDS, Elastic Cache, IAM), Microsoft Azure. |
| **Web Technologies**: | Tomcat, APACHE, Web Logic (8/9/10) & Web Sphere |
| **Operating Systems**: | Linux, Solaris, Ubuntu, Fedora, Centos, Windows |
| **Networking** | TCP/IP, NIS, NFS, DNS, DHCP, Cisco Routers/Switches, WAN, SMTP, LAN, FTP/TFTP. |
| **Scripting languages** | Shell Scripting ,Python ,Bash |
| **CI Tools** | Jenkins, GIT, Maven |
| **Configuration Management** | Puppet, Chef, Ansible |
| **Version Control Systems** | GIT, Sub Version, CVS |
| **Virtualization tools** | Docker |
| **System Monitoring Tools** | Nagios |

**Experience:**

**CSC – Hyderabad, India Dec 2013 to 2015**

**Junior DevOps Engineer**

**Responsibilities:**

* **Creating the automated build and deployment process for** application, re-engineering setup for better user experience, and leading up to building a continuous integration system for all our products.
* Implementing new projects builds framework using **Jenkins & maven** as build framework tools
* Implementing a **Continuous Delivery** framework using **Jenkins, Chef, Maven & Nexus** in Linux environment
* Strong coding skills in both **Shell, Python and Ruby.**
* Deployment and implementation of **Chef** for **infrastructure as code** initiative.
* Writing different **Chef Cookbooks** for installing, configuration, and upgrading different applications on the Servers.
* Manage deployment automation by creating **Chef Roles**.
* AWS **Cloud management** and **Chef automation**
* Imported and managed multiple corporate applications using **GIT**.
* Responsible for Design of different Release Environments for new projects.
* Using **Jenkins** AWS Code **Deploy plug-in** to deploy into AWS
* Defining Release Process & Policy for projects early in **SDLC**.
* Responsible for **Database build, release and configuration**
* Perform **Deployment** of Release to various **QA** & **UAT** in **Linux environments**.
* Configured Elastic Load Balancers with EC2 Auto scaling groups
* Implemented AWS solutions using **EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups.**
* Optimized volumes and EC2 instances
* Used IAM to create new accounts, roles and groups.
* Created monitors, alarms and notifications for EC2 hosts using Cloud Watch.
* Migrated applications to the AWS cloud Environment.
* Scripting in multiple languages on UNIX, LINUX and Windows **– Perl, Ruby, Shell,** etc.
* Work with different team members for **automation** of Release components.
* Resolved system issues and inconsistencies in coordination with quality assurance and engineering teams.
* Troubleshoot the build issue during the Jenkins build process.

**Environment:** AWS, Jenkins, Python, Ruby, Maven, Git , Ubuntu, Cent OS, AWS, Chef, Docker, Windows.

**Elegant.net – Bangalore, India March 2015 to 2016**

**Junior DevOps Engineer**

**Responsibilities:**

**Roles and Responsibilities**

* Configurationmanagement, release managementand build management using **JENKINS**.
* Packaging and delivery of artefacts to **QA** communities.
* Decide branching strategies for multiple projects.
* Used **Maven** build tool to generate different types of artifacts.
* Used **Microsoft Azure** to setup cloud services, websites, databases, and Azure Active Directories.
* Deploy and administer Windows Server and SQL Server resources in Microsoft Azure
* Installed Groovy plug-in to Jenkins and worked on **groovy scripts** to add support for groovy projects.
* Wrote script in Maven for Building multiple projects.
* Involved in Java, J2EE coding.
* Testing the application manually.
* Designed the application using **Struts, spring and J2EE design pattern.**
* Participated in the designing from initial stage of development and prepared the class and sequence diagrams.
* Coordinating with development teams to perform builds and resolve build issues.
* Analyse and create daily reports on the status of server backups on intranet and extranet.
* Provide complete phone support to customers.
* Troubleshoot tickets on the help desk tracking system.
* Configured Environment, Run unit tests and created reports by using Maven.

**Environment:** Azure, Tomcat, Apache, Oracle, Jenkins, Python, Ruby, Maven, Arty factory, Git, Ubuntu, Cent OS, Chef, Docker, Windows.

**Environment:** Tomcat, Apache, Oracle, Jenkins, Python, Ruby, Maven, Arti factory, Git, Ubuntu, Cent OS, AWS, Chef, Docker, Windows.

**PROFESSIONAL QUALIFICATION**

**Master of Science, Computer science**

Rivier University, Nashua, NH GPA: 3.7

**Course Work:** Multimedia and Web Development, database Management Systems, Java, Computer Science fundamentals, Algorithms, Object Oriented design.

**Bachelors of Engineering and Technology**

MITS, JNTU University Affiliated, India GPA: 3.2

**Relocation**: **Willing to relocate.**

**Reference: Available on request.**