**PAVAN KUMAR KANKIPATI kumarpati246@gmail.com Devops Engineer (248)-795-4666**

#### PROFESSIONAL SUMMARY

* **8 years** of experience in automating, configuring and deploying instances in the areas of Data Center Operations, Systems Administration, Cloud computing, Software Configuration Management **(SCM)**.
* Build servers using**AWS** Importing volumes, launching **EC2, RDS, S3,**creating security groups, auto-scaling, load balancers **(ELBs)** in the defined virtual private connection.
* Worked on Auto scaling, Cloud Watch (monitoring**), AWS** Elastic Beanstalk (app deployments), Amazon **S3** (storage) and Amazon **EBS** (persistent disk storage).
* Continuous integration and automated deployment and management using **Jenkins**, **Team city**, **Puppet, Chef,** **Ansible, Docker**.
* Executed a Continuous Delivery pipeline with **Docker, Jenkins, GitHub** and **AWS AMI's,** results in generating of new **Docker** container whenever a new **Github** branch get started.
* Experienced with automating release process using **Maven, Jenkins**, and **Jira** as tools in diversified project environment.
* Extensively worked on several build tools like **ANT** and **Maven** etc.
* Written **Chef Cookbooks** and recipes to Provision several pre-prod environments consisting of Cassandra **DB** installations, web logic domain creations and several proprietary middleware installations.
* Configured and automated the **Jenkins** Build jobs for Continuous Integration.
* Automated the builds using **Anthill Pro/Jenkins/Hudson** to single click.
* Used **Apache Tomcat** as application server for deploying the artifacts.
* Knowledge of **Puppet** as Configuration management tool, to automate repetitive tasks, quickly deployed critical applications, and proactively managed change.
* Configured **Jenkins/Hudson** for doing the build in all the non production and production environments.
* Experience in trouble shooting, Configuring and Deploying Enterprise Applications in application servers such as **Tomcat** and **Jboss**.
* Worked with **Chef** to aid with deployment process and migrating in house systems to Amazon Cloud Services.
* Installing, configuring and administering **Jenkins** Continuous Integration tool on **Linux** machines along with adding/updating plugins such as **SVN, GIT, Maven, ANT,** and **Puppet**.
* Extensively worked on **Hudson, Jenkins,** Build Forge and **Bamboo** for continuous integration and for End to End automation for all build and deployments.
* Worked with the configuration management tool called **Ansible** for the code automation.
* Experience in branching, tagging and maintaining the version across the environments using **SCM** tools like Subversion **(SVN), CVS** and on **UNIX** and Windows environment.
* Well knowledge in **CI** (Continuous Integration) and **CD** (Continuous Deployment) methodologies with **Jenkins, AnthillPro**.
* Experience in Administration/Maintenance of source control management systems, such as Sub Version **(SVN),** Perforce, **GIT** and knowledge of **IBM** Rational Clear Case.
* Hands on experience with the **AWS CLI** and **SDKs/API** tools like **AWS API** for **Puppet and chef**.
* Worked with the configuration management tool called **Ansible** for the code automation.
* Knowledge and expertise in every phase of **SDLC** (Software Development Life Cycle), and **QALC** (Quality Assurance Life Cycle).
* Worked on **Jboss,** Apache, Mail Server, and Firewall in both development and Production.
* Installation, configuration and administration of **Linux** (Ubuntu, Red hat/SUSE, CentOS) phase of the Projects.
* Self-motivated and able to work independently with low supervision and in a team environment.

**TECHNICAL SKILLS:**

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| --- | --- |
| Operating Systems | Linux Red Hat (4.x, 5.x, 6.x), Linux CentOS, Ubuntu, Unix, Windows |
| Version Control Tools | SVN, GIT Hub, Clear case, CVS and Bit bucket |
| Web/Application Servers | Web Logic, Apache Tomcat, Web Sphere and JBOS |
| Automation Tools | Jenkins, Build Forge and Bamboo |
| Build Tools | Maven, ANT, Build Fage, Gradle |
| Configuration Tools | Chef, Puppet, Ansible and Terraform |
| Bug Tracking Tools | JIRA, Remedy |
| Scripting | Shell scripting, Perl, Ruby, Json and Python |
| Virtualization Tools | Oracle Virtual Box, Workstation, VMware and VSphere |
| Monitoring Tools | Nagios, Cloud watch, Splunk, Keynote, Cloud Trail, Log Stash |
| Cloud Platform | AWS , VPC, EBS, Cloud Formation |
| Languages | C/C++, Java, C# |

**PROFESSIONAL EXPERIENCE:**

**PNC BANK, Philadelphia, PA Jun’ 15– Present**

**Role: AWS / DevOps Engineer**

In the U.S., PNC is the fifth largest bank by number of branch offices, sixth largest by deposits, ninth largest by total assets, and third largest by number of off-premises ATMs. As a DevOps engineer, worked side by side with the development and QA teams to determine optimal test coverage and ensure high quality software is delivered to the customers. Typically focused on new functionally pre-releases and maintained post-release.

**Responsibilities:**

* Experience in Infrastructure Development and Operations involving **AWS** Cloud platforms**, EC2, EBS, S3,VPC, RDS, SES, ELB, Auto scaling, Cloud Front, Cloud** **Formation, ElasticCache, Cloud Watch, SNS, AWS Import / Export**.
* Good experience on DevOps tools such as **Chef, Vagrant, Puppet, Ansible,** **Jenkins, Bamboo, SVN, GIT, TFS,** and **Docker**.
* Experienced in Cloud automation using **AWS** Cloud Formation templates**, Python, Ruby,** **Chef, Puppet**.
* Good experience in converting build.xml into pom.xml in order to build the applications using **MAVEN**.
* Expertise in Java build tools like **ANT, MAVEN** for the building of deployable artifacts such as (jar, war & ear) from source code and **MS**-Build for **.Net**.
* Implemented puppet modules to automate the installation and configuration for a broad range of services.
* Experience with configuration management tools like **Chef, Puppet,** and **Ansible**.
* Good understanding of full **SDLC** with Solid expertise on software Build/Release, Configuration process and DevOps Engineering.
* Experience in Automation, Installation and overall Configuration Management of servers using **Puppet** and **Chef**.
* Setup the **Chef** Workstation, Chef Server and Chef nodes.
* Experience in running web scale services on Amazon Web Services.
* Expertise in writing **Cookbooks/recipes** to automate Infrastructure as a code using **Chef**.
* Have a good experience in writing many scripts using many popular different languages like **Python, Ruby** and **Shell** based scripting.
* Used **Jenkins/Cruise** Control in conjunction with **ANT** and **MS** Build to automate the builds.
* Developed Chef **Cookbooks** to install and configure **Apache, Tomcat, Splunk, Jenkins,** **Rundeck** and deployment automation and Integrated **Jenkins, Rundeck** and **Chef**.
* Extensive experience in working with **Apache Tomcat**, **IBM Web logic**, and IBM Web sphere application servers.
* Expertise in container technologies and writing containerized software **Docker**.
* Installed and configured an automated tool **Puppet** that included the installation and configuration of the **Puppet** master, agent nodes and an admin control workstation.
* Strong experience in working in **Linux** and Windows environments.
* Written **Chef Cookbooks** for various **DB** configurations to modularize and optimize end product configuration.
* Worked on **Vagrant** for configure lightweight, reproducible, and portable development environments
* Extensively used **Ruby** scripting on Chef Automation for creating **Cookbooks** comprising all resources, Data bags, templates, attributes.
* Worked on "Continuous Delivery" project, streamlining Dev workflow, integrating automated **QE** validation, and delivering standardized releases based on **Docker** to Operations for deployment.
* Experience in Querying **RDBMS** such as **Oracle, DB2, MY SQL and SQL** Server by using **SQL** for data integrity.

**Environment:** AWS, Nexus, Chef, Puppet, Maven, ANT, Ansible, Hudson, Jenkins, GIT, Docker, PYTHON, RUBY, Bamboo, Vagrant, LINUX, Unix, Cookbooks, Terraform, SDLC.

**Waste Management, Houston, TX Oct’ 14– May’ 15**

**Role: AWS / DevOps Engineer**

Waste Management, Inc. is an American [waste management](https://en.wikipedia.org/wiki/Waste_management), comprehensive [waste, and environmental services](https://en.wikipedia.org/wiki/Waste_management) company in [North America](https://en.wikipedia.org/wiki/North_America) Founded in 1971. As a DevOps engineer B&R Engineer accelerated the project timelines by enabling seamless collaboration, integration and communication in the software developer community.

**Responsibilities:**

* Familiar with Amazon **AWS** Cloud Administration which includes services like: **EC2, S3,** **EBS, VPC, ELB, AMI, SNS, RDS, IAM, Auto scaling, Cloud Front, Cloud Watch, Cloud** **Trail, Cloud Formation, OPS** Work, Security Groups.
* Managed servers on the Amazon Web Services **(AWS)** platform using chef configuration management tools.
* Exposed to all aspects of software development life cycle **(SDLC)** such as analysis, planning, developing, testing, implementing and post-production analysis of the projects.
* Experience in **AWS** Elastic Beanstalk for app deployments and worked on **AWS** Lambda with Amazon kinesis. Maintained and administered **GIT /Subversion** source code tool.
* Created Branches Labels and performed Mergers in Stash **GIT**.
* Used **Puppet** for automation of repetitive processes done in apache, user administration, file management and managing file and directory permissions in the different environments.  
   Implemented & maintained the branching and build/release strategies utilizing **GIT.**
* Experience in Installing, upgrading and configuring **RedHat Linux 3.x, 4.x, 5.x and 6.x** using **Kickstart** Servers and Interactive Installation.
* Worked on provisioning different environments using **Chef, Puppet** and other Configuration management tools.
* Worked in creating, uploading new **Cookbooks** and recipes.
* Regular Build jobs are initiated using the **Continuous Integration** tool like **Jenkins**.
* Provided ongoing support in systems management and administration of **LINUX/UNIX** in global-scale environ.
* Operations - Custom Shell scripts, **Ruby** scripts, **VM** and Environment management.
* Experienced in working on **DevOps /Agile** operations process and tools area (Code review, unit test automation, Build & Release automation, Environment, Services etc.).
* Configuring of **VPC** and **Route 53 DNS** with networking of subnets containing servers.
* Experience in handling Release Management activities.
* Worked on installation and configuration of DevOps Automation Tool **Puppet.**
* Installed and Managed **Jenkin**s and Nexus for **CI** and Sharing Artifacts respectively within the company.
* Understanding & usage of **Atlassian** tools. Used **JIRA** as deployment issue tracking tool.
* Developed and implemented Software Release Management strategies for various applications according to the agile process.
* Developed build and deployment script using **ANT,** Shell to Setup development and **QA** environments.

**Environment:** AWS, EC2, S3, VPC, SDLC, GIT, Chef, Puppet, Cookbooks, Ruby, JIRA, ANT, Maven, Jenkins, Terraform, Bamboo, Cloud Formation, Hudson, Templates, Bash, Gradle, Docker, LINUX.

**NetApp, Inc, Sunnyvale, CA Dec ’12 – Sept’ 14**

**Role: DevOps Engineer**

NetApp is an American based multinational and data Management Company headquartered in Sunnyvale California. As a DevOps Engineer my role was to deploy one of their applications on cloud for which I need to automate the configurations required for the application.

**Responsibilities:**

* Excellent communication, interpersonal, intuitive, and analytical and leadership skills with ability to work efficiently in both independent and team work environments.
* Creating alarms in Cloud Watch service for monitoring the server performance, **CPU** **Utilization**, disk usage etc.
* Automated **Linux** production servers setup using **Puppet** Scripts. Used these scripts to replicate production build environments on a local dev boxes using vagrant and **Virtual** **Box**.
* Worked on establishing a streamlined release process for the development team from scratch.
* Worked for **DevOps** Platform team responsible for specialization areas related to Chef for Cloud Automation.
* Implemented **Jenkins** workflow and plugins for repeatable deployments of multi-tier applications, artifacts and services to **Docker**.
* Installed and Configured the **Apache Tomcat** application servers for Dev and Integration Test Environments.
* Installed and configured **Nexus** Repository Manager to share the artifacts between the teams within the company.
* Design **CI/CD** processes in the context of a Jenkins orchestration, including the usage of automated build, and deployment tool.
* Created detailed documentation of complex build and release process and post release activities process, **JIRA** workflow and Release notes.
* Automated the process of deployment to **Apache** **Tomcat** Application Servers by developing **Python** Scripts.
* Created and updated **Puppet** manifests and modules, files, and packages stored in the GIT repository.

**Environment:** Maven, ANT, Jenkins, GIT, Chef, Nexus, JIRA, Hudson, JBoss, Apache Tomcat, Python, Ansible, SDLC, Docker, Windows, Linux.

**CSS Group, Chennai, Tamil Nadu Dec’ 10 – Oct’ 12**

**Build & Release Engineer**

Invention factory is a product development unit. Products are urbanized for different line of business (super prime, prime, mid-market and under-served markets) based on different marketing strategies. These products are built to fine tune menace models, realize and evaluate changing customer behaviors thereby escalating long-term productivity.

**Responsibilities:**

* Maintained and Administered **GITHUB** Source Code Tool.
* Updated Release reports from change management control.
* Monitoring the source network performance specifically on Nagios alerts.
* Experience with Configuration Management Tools like **Ansible,** **PUPPET**.
* Deployed **J2EE** applications to Application servers in an Agile continuous integration environment and also automated the whole process. Build scripts using **ANT** and **MAVEN** build tools in **Jenkins, Sonar** to move from one environment to other environments.
* Implementation of a **Puppet** based configuration management system for **Linux** machines (physical and virtual).
* Used **ANT** and **Python** scripts to automate the Build and deployment process to deploying the web services. Used services deploy command for building the web services. Used maven for few modules.
* Created continuous integration system using **Ant, Jenkins, Puppet** full automation, Continuous Integration, faster and flawless deployments.
* Created **Branches**, Labels and performed Merges in **Stash** and **GITHUB**.
* Documented the deployment process (Migration Doc) of code to production on an Excel Sheet.
* Installed **Jira** and confluence on **Tomcat** server.
* Responsible for design and maintenance of the **Subversion/GIT** Repositories, views, and the access control strategies.
* Performed all necessary day-to-day **Subversion/GIT** support for different projects.
* Configuring and Administering the **Jenkins Continuous Integration** servers.
* Creating new build jobs, Integration testing jobs and deploy jobs in **Jenkins** to automate the process.
* Managed the maven artifacts using **Nexus** repository.
* Edited and Modified **POM.xml** for a few applications that used **Maven**.
* Automated the process of deploying to ApacheTomcat Application Servers by developing Perl Scripts.

**Environment**: Subversion, Perforce, Jenkins, GIT, ANT, MAVEN, JIRA, Python, Ansible, Puppet, Hudson, Web Server, Web logic, Mercury, Test Drive , Quality Center, Visual Build.

**Callidus Cloud, Hyderabad, INDIA Jul’ 08 – Nov’ 10**

**Unix/Linux Administrator**

Callidus Cloud is a global enterprise and SaaS company best known for its cloud based solutions for sales effectiveness, sales performance management, and sales execution software and services. Callidus Cloud enables organizations to accelerate and maximize their lead to money process with a complete suite of solutions that identify the right leads, ensure proper territory and quota distribution enable sales forces, automate configure price quote and stream line sales compensation. 

**Responsibilities:**

* Installation, maintenance and regular upgrades of **Red Hat Linux** servers using kick start based network installation.
* Worked on **RAID** controllers for hard disk mirroring and striping with parity.
* Managed **VMs** for **Solaris x86** and **Linux** on **VMware ESX 3.5** and administering them with VI Client.
* Provided installation, configuration & maintenance of pre-prod and production Cloud environments including services such as **Tomcat, Apache, Kickstart, Cassandra, Hadoop,** **MySQL, Jira,** etc.
* Created **Bash, shell & python** scripts for various Systems Administration tasks to automate repeated processes.
* Wrote bash **Shell** Scripts for getting information about various **Linux** servers   
  Eliminated extended downtime of network and processes by installing and configuring a Nagios server to monitor **Windows/Linux** **servers.**
* Managing Permission for files and Directories with **Chmod, ACL**. Managing different kinds of services like **Samba, DHCP, DNS, FTP, NFS, Apache Web Server**, and **Postfix Mail Server.**
* Worked on **VxFS, UFS, ZFS** and ext3 file systems using **VERITAS** Foundation **Suite 5,** **SVM** and **LVM.**
* Troubleshoot at user level on **IP /TCP** network environment.
* Implemented **NFS, DNS** and **NIS** under **SUN**.
* Performed the administration of the Domain Name Server and configuration of the Database Files.
* Installed and Configured Send Mail Utility on **Sun UNIX** Servers.
* Automated tasks using **Korn, Bash Shell** scripts.

**Environment:** Bash, Shell, Python, Apache, Linux, Korn, Samba, Bash Shell, SVM, NIS, NFS, DNS.