**NAVAKANTH PODAPATI**

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**PROFESSIONAL SUMMARY**

* Overall 8+ years of experience in Linux Administration, Configuration Management, Continuous Integration, Continuous Deployment, Release Management and Cloud Implementations.
* Worked on various Linux environments like Centos, Ubuntu,Red Hat Enterpriseand windows Environments.
* Experience in creating instances with cloud AWS to locate in VPC and knowledge on connecting to existing infrastructure to resources in VPC, EC2, RDS, Auto scaling, Elastic Load Balancer and AWS S3.
* Experience in using IAM, RDS, Route 53, VPC, RDB, Dynamo DB, SES, SQS and SNS services in AWS cloud.
* Experience in working on DevOps operations process and tools area (Code review, unit test automation, Build & Release automation, Service, Incident and Change Management).
* Experience in Implementing Configuration Management tools like Puppet, Chef and Ansible. And used for Application Deployments & Environment configuration.
* Expert in Chef/Puppet as Configuration management tool, to automate the repetitive tasks, quickly deploy critical applications, and enthusiastically managed the changes.
* Understanding of the principles and best practices of Software Configuration Management (SCM) processes, which include compiling, packaging, deploying and Application configurations.
* Experience in creating SCM Process, policies, procedures and Release Notes to follow Development and allow QA teams to Release and deploy the highest quality product for the enterprise.
* Experience with Version Control Systems Perforce, SVN (Subversion), GIT, Bitbucket.
* Workedon automation tools like Hudson, Jenkins, UDeploy and Build Forge to implementation and Automation.
* Experience with Linux/UNIX environments and scripting for Build & Release automation.
* Extensively Experience in using Build Automation tools like ANT, Maven,SonarQube.
* Custom integration, plugins dev for different tools around CI-CD like Git, Jenkins, Artifactory, Rally, Guard, Reporting and Dashboards using API and other techniques.
* In-depth knowledge of computer applications and scripting like Shell, JSON, Python, Ruby, JavaScript, and XML.
* Extensively worked on Hudson, Jenkins, UDeploy, Team City and Bamboo for continuous integration and for End-to-End automation for all build and deployments.
* Experience of working with the release and deployment in Java/J2EEv, .Net Stack and ASP.net Web applications environment.
* 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 with container based deployments using Docker, working with Docker images, Docker files, Docker HUB and Docker registries.
* Docker/Kubernetes Containerization of cloud based applications.
* Experience with commercial, open source and SaaS based monitoring tools Sumo Logic, Elastic search, Amazon Cloud Watch, AppDynamics, Cacti, Nagios, etc.
* Expertise with System Administration and VMware ESXi, vSphereto create OS as per organizations requirement to manage regular server activities.
* Experience with Kick Start Server and Jump Start Server.
* Ability to work closely with teams, in order to ensure high quality and timely delivery of builds and releases.
* Strong ability to troubleshoot any issues generated while building, deploying and in production support.
* Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions.
* Good knowledge on ITIL Process and have worked on coordinating releases across the projects

**Education**

* Bachelor of technology in Electronics and Communication Engineering.

**Technical skills**

* **OS Administration:**RHEL, Solaris, Ubuntu, Windows Server.
* **Database:**Oracle Database 10/11 g, SQL SERVER, MY SQL.
* **Infrastructure as A service:**AWS, Microsoft Azure, open stack (basic understanding)
* **Virtualization Platforms:**Virtual Box, VMware VSphere, Vagrant.
* **Configuration management:**Chef, Puppet, Ansible
* **CI & Build Systems:**Ant, Maven,SonarQube, Jenkins, Bamboo, MS Build, UrbanDeploy
* **Testing Tools:**SonarQube, JUnit, Selenium and JMeter.
* **Application/Web Servers:**WebLogic, Tomcat, JBoss, Apache, Web Sphere
* **Scripting Languages:**Bash,Power Shell, Ruby, Python
* **Logging:**Splunk, Nagios, Sumo Logic
* **Version Control Software:** GIT, SVN, Perforce,Bitbucket and TFS
* **Bug Tracking Tools:**JIRA, Bridge Clarify, HP Quality Center

**PROJECT DETAILS**

**New York office of Mental Health, Albany, NY (Mar2015- Till Date)**

**Role:** DevOps / Automation Engineer

**Project Description:**

New York State has a large, multi-faceted mental health system that serves more than 700,000 individuals each year. The Office of Mental Health operates psychiatric centers across the State, and also regulates, certifies and oversees more programs,my role is to automate build and deployment of software for web applications, maintenance and enhancement of source control system, software configuration management, and continuous integration and efficiently release the code to production, documentation related to supporting the environment.

**Responsibilities:**

* Configuring and deploying instances on AWS environment, also familiar with EC2, Cloud watch, and managing security groups on AWS
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, for successful deployment of Web applications and database templates.
* Provide highly durable and available data by using S3 data store, and create Amis for mission critical production servers for backup.
* Maintained the user accounts IAM, RDS, Route 53, VPC, RDB, Dynamo DB, SES, SQS and SNS services in AWS cloud.
* Leveraged AWS cloud services such as EC2, auto-scaling and VPC to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts.
* Implemented automated local user provisioning instances created in AWS cloud, Created alarms and notifications for EC2 instances using CloudWatch.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, PHP, Node.js, Python, Ruby, and Docker on familiar servers such as Apache.
* Support and maintain multiple local and remote Hyper-V Clusters
* Understanding of developing and testing enterprise products, with current focus on cloud based application and giving solution to challenges imposed by multi data center deployed SaaS products and their needs for DevOps tools and automation.
* Responsible for Deployment Automation using multiple tools Chef, Jenkins, GIT, maven, SonarQubeand AWS. Worked at optimizing Volumes, EC2 instances and created multiple VPC instances.
* Evaluated Docker Swarm and Kubernetes for Docker container orchestration.
* Implemented Chef Recipes for Deployment on build for internal Data Centre Servers. Also re-used and modified same Chef Recipes to create a Deployment directly into Amazon EC2 instances.
* Proficient in scripting languages such as Bash, Powershell, Terraform automation languages to automate build, deploy and configuration management DevOps processes.
* Evaluating testing of Chef Recipes Concept of Test Driven Development for Infrastructure as a Code.
* Automating Continuous Build and Deploy Scripts for Jenkins Continuous Integration tool
* Application deployment automation using Jenkins,Git, Bitbucketand Maven Build.
* Implementing new projects builds framework using Jenkins, Chef & maven, SonarQube as build framework tools.
* Responsible for orchestrating CI/CD processes by responding to Git triggers,Artifactory, human input, and dependency chains and environment setup.
* Test Chef Cookbook modifications on cloud instances in AWS and using Test Kitchen and Chef Spec.
* Worked on Installation and Configuration of Chef Server and Chef-client Nodes.
* Written Chef Cookbooks for product configuration. Converting production scripts to Chef Recipes and templates in Ruby.
* Experience configuring and managing Chef Master Server and also experience in updating and creating modules and pushing them to Chef Clients.
* Experience with container based deployments using Docker, working with Docker images, Docker HUB and Docker registries.
* Experience onKubernetes for creating Projects, Services for load balancing and adding them to Routes to be accessible from outside, Creation of Pods through new application and control the scaling of pods, troubleshooting pods through ssh and logs.
* Coordinating with different teams in order to solve the chef defects and providing required solution to the issue in an efficient manner.
* Worked with development team to migrate Ant scripts to Maven.
* Responsible for automated Scheduled Builds/Emergency Builds and Release using Maven scripts for Enterprise application (J2EE).
* Perform Deployment of Release to various Developments, Test andProductionenvironments.
* Scripting in multiple languages on UNIX Batch, Shell script, python and Used Shell scripts to automate the deployment process.
* Experience in SQL databases Oracle, MySQL and NoSQL database MangoDB, DynamoDB.
* Assemble Release Kit and complete all paperwork, including implementation/back out plans.
* Used knife command line tool to manage the nodes, cookbooks, recipes, roles, environments and data bags.
* Installed, Deployed Red Hat Enterprise Linux 6.x/7.x, CentOS and installation of packages and patches for Red Hat Linux Servers.

**Environment:** Redhat, Solaris, Shell Scripting, python, Java, Git, GitHub,Bitbucket, AWS, VPC, EC2, S3, R53 chef, maven,SonarQube, Jenkins, SonarQube, CI/CD, Nagios, Jira, Chef, Rackspace, Nagios, New Relic, IaaS, SaaS, Hadoop, Apache Tomcat, PostgreSQL, Perl, Ruby, PHP.

**US Bank, Denver, CO (Jul 2013 - Feb 2015)**

**Role:** DevOps/Build and Release Engineer

**Project Description:**

U.S. Bank is the one of the largest U.S. commercial bank, operating in more than 3,100 banking offices and holding more than 419 billion in assets. My role is to automate build and do continues deployments for web applications, maintenance and enhancement of banking products, software configuration management, and continuous integration and efficiently release the code to production, documentation related to supporting the environment.

**Responsibilities:**

* Automated build and deployment process for application.
* Re-engineering setup for user experience and leading up to building a continuous integration system.
* Develop and maintain configuration management system, and manage repositories, branches, tags using GIT.
* Handled end-to-end deployments across different environments, DEV to Production Environment.
* Installed, administered and configured Jenkins Continuous Integration tool.
* Carried Deployments and builds on various environments using continuous integration tool Jenkins.
* Responsible for orchestrating CI/CD processes by responding to Git triggers, human input, and dependency chains and environment setup.
* Designing and implementing continuous Integration system: configuring Jenkins servers, Jenkins nodes, creating required scripts (Perl & Python), bash scripts and creating/configuring VMs.
* Provisioned multiple VMs using Chef to install and configure Web and load balancing applications
* Used Chef to manage Web Applications, Config Files, Data Base, Commands, Users Mount Points, and Packages.
* Developed Chef recipes to configure, deploy and maintain software components of the existing infrastructure.
* Application deployment automation using Jenkins and Udeploy
* Collated application, API, Load Balancer, System and Database logs into Splunk to troubleshoot application performance, identify bottlenecks and diagnose and optimize database performance issues.
* Created Custom enterprise dashboards with real-time and historical events monitoring and reporting in Kibana and to identify trends.
* Installation, Configuration and up gradation of Clusters and Azure.
* Managed Clusters with various Servers in Azure Cloud Resource Groups.
* Performed a checking to TFS and a Continuous Integration TFS build is triggered.
* Involved in TFS invokes MS build to compile the project. The project has the octopacknuget package installed. This adds extra build targets. Some extra parameters passed to MS build trigger.
* Implementing new projects builds framework using Jenkins, Chef & maven as build framework tools
* Integrated Jenkins Build pipeline plugin for managing multi project jobs efficiently.
* Existing IaaS implementation around DNS/Load Balancers.
* Experience configuring and managing Puppet Master and puppet node also experience in updating and creating manifests and use puppet apply to reflect the changes in puppet node.
* Responsible for creating Puppet modules and Manifest files from scratch and experience in editing existing Puppet manifests and automated manual installation processes using Puppet
* Manage configuration of Web App and Deploy to Azure cloud server through Puppet.
* Used Maven, SonarQube&Ant to perform daily and weekly Software Builds
* Deployed and managed Docker environments in Test and production servers.
* Worked on creation of custom Docker container images, tagging and pushing the images.
* Wrote python and shell Scripts to automate the build process and administration jobs.
* Configuration and scheduling of various automated jobs for backups, database, proprietary jobs using CRON and troubleshooting daily job problems
* Involved in OpenStack troubleshooting and optimization.
* Design, Analyze and Implementation of test automation framework using selenium, Java, Cucumber for agile development projects
* Worked closely with development team for product releases.
* Worked as a system administrator for the build and deployments process on the enterprise server.
* Attend forum for management of release weekly meetings.
* Monitor progression of releases and keep them on track for delivery on planned release date.
* Submit request for implementation to various groups who participate in release.
* Assemble Release Kit and complete all paperwork, including implementation/back out plans.

**Environment:** Solaris, ubuntu, Shell Scripts, python, ruby, GIT, Jenkins, Maven, SonarQube, ANT, Puppet, Nagios, Docker, CI/CD, chef, Docker, clustering, Azure, Splunk, Kibana, selenium, JIRA, Openstack, Kubernetes, Java, TFS Server, MS Build, Linux.

**ACI Worldwide, Omaha, NE (Apr 2012 - Jun 2013)**

**Role:** VMware/Linux Admin/Build and Release Engineer

**Project Description:**

* ACI Worldwide helps money go mobile. The company develops e-payment and electronic funds transfer (EFT) software for companies around the world. Being a Build and Release Engineer, my role is to automate build and deployment of software for web applications, maintenance and enhancement of source control system, software configuration management, and continuous integration and efficiently release the code to production.

**Responsibilities:**

* VMware ESXi 4.0, 5.0 and 6.0 Host Server Installation, Configuration & Maintenance, VSphere Suite, Virtual Machines Installation, Configuration & Maintenance.
* Configured automated VM migrations using automated scripts in PowerShell. Standardized network cable runs for VMware hosts across multiple data center.
* Performed data store migration using VMware storage vMotion on NetApps NFS, dell ISCSI SAN Storage.
* Supported and Managed VMware ESXi 4.1, 5.0 & 5.1 infrastructure for production/non production environments including HA/DRS Clustering.
* Worked as a VMware/Windows admin to provide L3 support in a complex Environment.
* Installation and Administration of VMware, Setup of integrated environments. Configured VMware HA, VMware DRS in acquiring higher efficiency for VMware Infrastructure
* Installed VMware ESX server 4.1/4.0 and created virtual machines on ESX Servers. Created standard templates and deployed virtual machines from these templates.
* Cloning the existing virtual machines (windows XP, 2000, 2003, 2008 and 2012 Operating Systems) as per the requirement and deploying the virtual machines from the existing templates.
* Experience in setting up VMware standard vSwitch and ports groups (Service Console, Virtual Machine and VMKernel.
* Working on troubleshooting the triggered alarms generated from VMware vCenter Server and solving the SNMP traps rise in vCenter.
* Perform capacity analysis of existing physical production environment using VMware Capacity planner.
* Administration of RHEL and AS 4, 5, 6 which includes installation, testing, tuning, upgrading and loading patches, troubleshooting both physical and virtual server issues.
* Involved in Building and configuring Solaris 8/9/10 using Jumpstart server and Red Hat Linux Servers using Kick Start server as required for the project. Maintained maximum uptime and maximum performance capacity for Enterprise Production, QA, and UAT/Staging.
* Installed, Configured and Administration of Enterprise LINUX (Red Hat, Centos).
* Providing production support for multiples applications residing on Linux and UNIX environments. Making sure Zero-Down time for enterprise critical applications by raising outages, escalations whenever necessary.
* Add, remove and resizing Logical volumes using LVM in Linux and implementing software RAID at installation time.
* Regular disk management, partitioning according to the requirements, creating new file systems or increasing existing ones, managing file systems and adding virtual swap space.
* Define/setup network protocols, Network File Services (NFS), and Network Information Services (NIS) in Linux Environments.
* Implemented CI and CD Pipelines in Jenkins and wrote multiple shell scripts for deployment automation, log rotation, data sync, etc.
* Installation, Configuration, Administration of WebLogic, ApacheTomcat and deploying applications to integrated Dev environment.
* Configured parameterized builds in Jenkins to deploy the code into Dev, QA and stage environments.
* Installed multiple plugins in Jenkins like mask password plugin, release plugin, email-ext plugin, perforce, GIT plugin, etc.
* Wrote scripts in PowerShell 4.0 to automate daily maintenance tasks like logs cleanupetc.
* Configuration administration of Nexus Maven repository and maintain of build scripts in ant, Maven and automation scripts.
* Integrating Maven and Subversion for releases, creating and modifying the pom.xml files for maven projects.
* Configured the LAMP to make work with Oracle and Created the automation scripts in PHP, shell, Perl and on Oracle using PLSQL.
* Configured the build jobs on Jenkins and Bamboo build servers.
* Migrated database applications from Windows 2008 Server to Linux server, created users, manage user permissions, maintain User & File System quota on Redhat Linux.
* Deployed and configured, Windows 2008/20012 Servers, with DHCP, DNS, IIS, Active Directory Domain Controllers, Group Policy, and Internet, TCP/IP, and Routing concept.

**Environment:**VMware ESXi 4.1/5.0/5.1, VSphere 5.1/5.5, VCenter, vSwitch, Windows Server 2012/2008/2003, Active Directory 2003/2008/2012, HP Proliant Server, Web Logic, Apache, Tomcat, Nexus Maven, Jenkins, SVN, GIT (GitHub), Python, Shell scripting, Tomcat, VMware.

**Tech Mahindra (Americas) Inc, Omaha, NE (Nov 2010 - Mar 2012)**

**Role:** Build and Release Engineer

**Project Description:**

British Telecom is one of the largest telecommunications services providers in United Kingdom. BT is one of the world’s leading providers of communications services and solutions, serving customers in 180 countries. My role is to automate build and deployment of software for web applications, maintenance and enhancement of source control system, software configuration management, and continuous integration and efficiently release the code to production, documentation related to supporting the environment.

**Responsibilities:**

* Responsible for Design and architecture of different Release Environments for new projects.
* Implementing projects, builds, framework using Jenkins & maven as build framework tools
* Implementing a Continuous Delivery framework using Jenkins &Maven as tools
* Used Ansible to manage Web applications, Environments configuration Files, Users, Mount points and Packages.
* Writing Maven scripts for application layer modules.
* Create/build/modify Ansible playbooks including automation scripts with Python and/or Bash
* Defining Release Process & Policy for projects early in SDLC.
* Implemented continuous integration and deployment of new builds using Jenkins and custom Bash scripts.
* Configured and Maintained the Jenkins build and automation jobs
* Configured Jenkins daily periodic backups for Jenkins configuration and plugins files.
* Integrated Jenkins Build pipeline plugin for managing multi project jobs efficiently.
* Coordinating with Different Project teams and Development teams on Build & release planning and efforts.
* Responsible for weekly builds for different modules.
* Responsible for Database build, release and configuration
* Created a Data store and create Virtual machines using vSphere.
* Installed and configured Red Hat Linux 5/6 using Kickstart on the VMware Virtual Machines. And, installed some middleware applications like Redis MQ, apache webservers on the Red Hat Linux Servers.
* Work with different team members for automation of Release components.

**Environment:** Solaris, Red Hat Enterprise, Shell Scripts, XML, SVN, Jenkins, Maven, Ansible, SQL Server 2000, Windows2003/2005/2008/2008R2, Python, Vagrant,RedisMQ,Linux, VMware, vSphere, MS SQL Server 2000/2005

**Tech Mahindra Ltd, Pune, India (Oct2009- Oct2010)**

**Clint:**British Telecom

**Role:**Application Support & Administration.

**Project Description:**

CMPS is a service layer application in the CMP platform. It acts as a data access layer to Siebel customer data. The REST API provides fine-grained access to a very wide range of CMPS service capabilities and lets consumer application control the user experience. Consumers can use this API (provided required authentication and authorization sorted out from CMPS team) to retrieve customer information, Assets, Orders, Faults, Billing information that resides in One View and One Siebel systems as well as create and update Orders, Assets.

**Responsibilities:**

* Ensure the continuity of service for CMPS application by regularly monitoring it on the various agreed parameters.
* Identifying, investigating and resolving various issues/bugs on the CMP application. Analysis and fixes are shared with the third line support for further processing for the development of system enhancements to overcome known problems.
* Receives and logs requests for support from help desk, other service delivery teams.
* Priorities requests in accordance with agreed criteria.
* Within own area of knowledge; follows agreed procedures to investigate issues and other requests for support and determines appropriate actions to take.
* Uses application management software and tools to collect agreed performance statistics.
* Provides correct responses to requests for support by means of for example: making modifications to system parameters, developing work-around or site-specific enhancements, reconfiguring systems, changing operating procedures, training users or operations staff, producing additional documentation, or escalating requests to systems development team or software suppliers.
* Involved an all major deployments and war changes in the production environment.
* Implementations of automatic secure SSH Login, User and Group administration
* Backup and Recovery of OS, Application and Database
* Configuration and scheduling of various Automated jobs for backups, database, proprietary jobs using CRON and troubleshooting daily job problems
* Worked on the apache web servers and application servers such as WebLogic&WebSphere .
* Works alone on simple assignments and in collaboration with team members in order to resolvethe more complex assignments.
* Frequently interacts and influences project team members.
* Takes part in reviews of own work. Takes active part in reviews of the work of team members.
* Documents all work in accordance with agreed standards, methods and tools.
* TCP/IP Configuration like assigning IP addresses, configuring network interfaces, assigning static routes, hostnames etc.

**Environment:** Solaris, Red Hat Enterprise, Shell Scripting, WebLogic, WebSphere, Hector, WinScp, Putty, Junit, SQL, Oracle, Bridge Clarify, TCP/IP, Idesk, SQL Developer, MQ, Internal monitoring tools

**Electronics Corporation of India, Hyderabad, India (Jan 2009- Sep2009)**

**Role:**Linux Administrator

**Project Description:**

Systems monitoring and administration of Servers for day-to-day problems, backup, patches, user administration, hardware failure, software up gradation, monitoring log files, configuration changes and documentation.

**Responsibilities:**

* Administered, maintained Red Hat 3.0, 4.0, 5.0, 6.0 AS, ES, Troubleshooting Hardware, Operating System Application & Network problems and performance issues; Deployed latest patches for, Linux and Application servers, Performed Red Hat Linux Kernel Tuning.
* Experience in implementing and configuring network services such as HTTP, DHCP, and TFTP.
* Install and configure DHCP, DNS (BIND, MS), web (Apache, IIS), mail (SMTP, IMAP, POP3), and file servers on Linux servers.
* Installation and management of virtual servers using KVM Configure and maintain and troubleshoot NFS, FTP servers.
* Configure and perform TCP/IP trouble shooting on servers and Setting up of ESXi server and its connectivity with the existing equipment.
* Adding, removing, or updating user accounts information, resetting passwords etc. and configuring, administratingCorn Jobs.
* Administered Linux servers for several functions including managing Apache/Tomcat server, mail server, and MySQL databases in both development and production.
* Bash shell-scripts to automate routine activities and Migrated database applications from Windows 2008 Server to Linux server.
* Installing and setting up Oracle9i on Linux for the development team. Linux kernel, memory upgrades and swaps area, Redhat Linux Kickstart Installation.
* Worked in a 3-Tier architecture model supporting web applications hosted on Windows Server 2008
* Performing log administration to detect system errors  and resolved systems and process issues reported by Nagios
* Using Linux Logical Volume Manger (LVM) to manage drives and manage file systems using fdisk, gdisk and provide support for both physical and virtual environment
* Install, upgrade and manages packages via RPM and YUM package management
* Install Firmware Upgrades, kernel patches, systems configuration, performance tuning.
* Installing and configuring of security networks like certificates using SSL and worked with NetApp for taking snapshots, mirroring on both SAN and NAS
* Good hands on experience on build environment using ANT
* Used various networking tools such as SSH, telnet, rlogin, tcpdump, ftp and ping to troubleshoot daily networking issues.
* Worked with DBAs on installation of RDBMS database, restoration and log generation.

**Environment:**Red Hat Linux 3.0,4.0,5.0 AS ES, HP-DL585, Oracle 9i/10g, Samba, VMware Tomcat 3.x,4.x,5.x, Apache Server 1.x,2.x, Bash