

Govind N

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**Professional Summary:**

* 8+ years of experience in IT industry as Linux System Administration working on Red Hat Linux, CentOS, Windows environments, and VMware vSphere and good experience in software Configuration Management (SCM).
* Understands and manages the space between operations and development to quickly deliver code to customers. Has experience with the Cloud, as well as Devops automation development for Linux systems. Brings maturity, enthusiasm, and a drive to learn new technologies along with real world experience.
* Extensive experience in the design and implementation of Continuous Integration, Continuous Delivery, Continuous Deployment and DevOps processes for Agile projects across the Financial and retail sectors.
* Experienced in Amazon EC2 setting up instances and setting up security groups and databases in AWS using S3 bucket and configuring instance backups to S3 bucket.
* Experienced with working on Puppet Master and Puppet Agents. Defined Puppet Master and Puppet Agents to manage and configure nodes.
* Experienced in writing Chef Recipes to automate our build/deployment process and do an overall process improvement to any manual processes.
* Extensively worked with Version Control Systems CVS, SVN (Subversion), and GIT.
* Virtualized the servers using the Docker for the test environments and dev-environments needs. And also configuration automation using Docker containers.
* Very good experience in installing and configuration of Web servers like Apache and Nginx.
* Managing Security issues by creating new security realm for development, testing and production environments.
* Experience in working on source controller tools like GIT, Subversion (SVN), CVS, IBM Clear case and Perforce.
* Experience in Deploying JBoss, Apache Tomcat web server, IIS Server, Oracle web logic, and IBM WebSphere.
* Very knowledgeable in regards to DevOps / Automation with Docker and Continuous Deployment procedures using tools such as Ansible, docked-machine, Docker-compose, etc.
* Experience in integrating Unit Tests and Code Quality Analysis Tools like JUnit, JIRA, Clover, PMD, find bugs and checkstyle.
* Having Good Knowledge of Amazon AWS cloud.
* Expertize in trouble shooting the problems generated while building, deploying and also in production support.
* Good interaction with developers, managers, and team members to coordinated job tasks and strong commitment to work. Participated in performance tuning, unit test case preparation and execution.

Technical Skills:

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| Operating Systems | Linux (Red Hat 4.x, 5.x, 6.x), (Cent OS 5, 6.5, 7) UNIX, WINDOWS NT/2000/2003/XP/VISTA/7, AIX. |
| Version Control Tools | CVS, SVN, Bit bucket, RTC, GIT, Source Tree |
| Languages | C, JAVA, XML, SHELL, PERL, RUBY, PYTHON |
| Databases | My SQL, MS Access, Oracle 9i/10g/11g, DB2, AWS Arora |
| Application Servers | TOMCAT, WEBLOGIC, WEBSPHERE |
| Tools | ANT, MAVEN, HUDSON/JENKINS, CHEF, PUPPET, OPENSTACK BUILD FORGE, NAGIOS, DOCKER. |
| Cloud | AWS EC2, VPC, EBS, SNS, RDS, EBS, Cloud Watch, Cloud Formation AWS Config, S3, auto scaling, Cloud Trail, VMWare, **Virtualization experience (VM Management)**, Docker. |

**Certifications: 1. AWS** Certified Solutions Architect – Associate Level

**Professional Experience:**

**Vanguard, Malvern, PA Jun 2016 - Present**

**DevOps Cloud Engineer**

The Vanguard Group is an American [investment management](https://en.wikipedia.org/wiki/Investment_management) company based in [Malvern, Pennsylvania](https://en.wikipedia.org/wiki/Malvern,_Pennsylvania) with over $4 trillion in assets under management. It is the largest provider of [mutual funds](https://en.wikipedia.org/wiki/Mutual_fund) and the second-largest provider of [exchange-traded funds](https://en.wikipedia.org/wiki/Exchange-traded_fund) (ETFs) in the world after [BlackRock](https://en.wikipedia.org/wiki/BlackRock" \o "BlackRock)'s [iShares](https://en.wikipedia.org/wiki/IShares" \o "IShares). We implemented an enterprise CI/CD pipeline for a Sailpoint application which is mainly used to provide and approve security accesses to the employees/contracts and validate their access from period to period. Following Agile methodology on 2 weeks sprint, performing build and deployments using latest technologies such as AWS cloud, docker containers etc.

**Responsibilities:**

* Created 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.
* Managing product development /implementation using AWS cloud infrastructure. Performing solution architect with development team, AWS service selection, solution design.
* Installed and configured an automated tool Puppet that included the installation and configuration of the Puppet master, agent nodes and an admin control workstation.
* Implemented and maintained the continuous integration and deployment systems using Jenkins, Maven, Nexus, and Ansible.
* Created deployment workflows in Jenkins which includes prerelease, release and Post release steps.
* Implemented a continuous delivery pipe line with Docker. Cloud and virtualization based on technologies with Docker.
* Migrated VMWARE VMs to AWS and Managed Services like EC2, S3 Bucket, Route53, ELB, EBS Etc. with Opscode Chef Cookbooks/Recipes.
* Used Jenkins for Continuous Integration and deployment into Tomcat Application Server.
* Analyze and resolve compilation and deployment errors related to code development, branching, merging and building of source code repository using GIT version control
* Created new build jobs, integration testing jobs and deploys jobs in Jenkins to automate the process.
* Configured Slaves for Jenkins Master to distribute load across all the machines.
* Experience in working on source controller tools like Subversion (SVN), GitHub. And also analyze and resolve conflicts related to merging of source code for SVN and Git and Maintained history of all the repositories using Subversion and Git.
* Puppet Scripting in multiple languages on UNIX, LINUX and Windows - Batch, Shell script etc.
* Highly involved in Configuring, monitoring and multi-platform servers by defining Chef server from workstation to manage and configure Chef nodes.
* Configured plugins for the integration tools to the version control tools.
* Automated the local dev environment using Vagrant/chef-solo.
* Automated the cloud deployments using chef, python (boto& fabric) and AWS Cloud Formation Templates

**Environment:** Jenkins, Maven, Git, SVN, Ansible, Open SUSE Linux, Windows, UNIX, VM ware, Shell Scripting, Nagios, Puppet, Apache, VPC , NAT, LAMP , AWS – EC2, S3,Route 53, CLOUDWATCH, REDSHIFT , ELB, EBS, AMI, Load balancer, Auto Scaling ,SVN, GITHUB, Docker, JIRA, Bugzilla.

**Sephora, San Francisco, CA Jun 2014 – May 2016**

**Build & Release Engineer**

SEPHORA has been changing the face of prestige cosmetics since its debut in 1970s Paris. Sephora is the beauty education hub, offering consultations at the Beauty Studio, a variety of complimentary classes, one-on-one service from Personal Beauty Advisors, and exclusive retail technology SKINCARE IQ, COLOR IQ, and FRAGRANCE IQ. Sephora is an international force in beauty, and its award-winning website and ever-growing presence on social-media make it the world's premier digital beauty destination.  In this I helped client to design very effective Build and release system for their leading and often changing product series.

**Responsibilities:**

* Automated the cloud deployments using Chef, Python and AWS Cloud Formation Templates.
* Experience in Managing Product development / implementation using AWS cloud infrastructure.
* Establish continuous build automation deployment via Jenkins.
* Collaborated with Architects, Systems, Network, Software and QA Engineers, and to continuously improve the efficiency and reliability of Build and Deployment processes to support all phases of development including production releases.
* Build servers using AWS which includes importing necessary volumes, launching the EC2 instance, creating security groups, auto-scaling, load balancers, Route 53 and SNS as per the architecture.
* Managed patches configuration, version control, service pack and reviews connectivity issues regarding security problems.
* Experience in deploying the content cloud platform on Amazon AWS using EC2, S3, Lambda, VPC, Route53, Code Deploy, RDS and EBS.
* Experience using Jenkins as a full cycle continuous delivery tool involving package creation, distribution and deployment onto tomcat application servers via shell scripts embedded into Jenkins jobs.
* Experience in building binaries using Maven.
* Maintaining Server and Systems, provide IT support to User.
* Involved in configuring AWS EC2 instances on cloud platform using Ansible.
* Worked for Creating the Software Configuration Management Plan.
* Managed all the bugs and changes into a production environment using the Jira tracking tool.
* Integrated Maven with GIT to manage and deploy project related tags.

**Environment**: UNIX/LINUX, AWS, Puppet, GIT, GitHub, Maven, Jenkins, Linux, Shell scripting, Docker, Chef , AWS, S3, Auto scaling, EBS, RDS, Cloud sigma, SVN, ANT, LAMP, Anthill Pro, Apache Tomcat, Shell, Perl, Nexus, AWS, Ec2, Junit, Python.

**COVIDIEN, Boston, MA Jul 2013 – Jun 2014**

**DevOps Engineer**

It is a public limited company was an Irish-headquartered global health care products company and manufacturer of medical devices and supplies. Covidien became an independently publicly traded company after being Spun off from Tyco international in 2007. It was purchased by Medtronic PLC in a transaction that closed in 2015. My role as DevOps Engineer is to Optimize and improve the Continuous Integration and Continuous Deployment solutions and processes.

**Responsibilities**:

* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation fusing Jenkins along with Groovy and Shell scripts to automate routine jobs.
* Experience in Migrating Projects from ANT to Maven and Gradle.
* Implemented Automated Application Deployment using Puppet.
* Installation, configuration, and administration of Tomcat Application Server.
* Jenkins is used as a continuous integration tool for automation of daily process.
* Implemented One Click Deployments using Chef.
* Configured Elastic Load Balancers with EC2 Autoscaling groups.
* Designed and deployed AWS solutions using E2C, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups, Opsworks.
* Worked on Docker and created virtual instances with Docker.
* Worked on installation of Docker using toolbox & creation of custom Docker container images, tagging and pushing the images.
* Managed Amazon RDS for backups, software patching, automatic failure detection, and recovery.
* Configured and deployed several hypervisors and VMs running OpenStack for DevOps, testing and production environments.
* Implemented Jenkins as Continuous Integration Server, for - Installation, Configuration, Design and Administration, and integrating tools with other systems.
* Created cloud service using AWS. Managed Virtual machines and websites using AWS Monitoring Tools.
* Built Puppet manifests and bootstrap scripts to allow us to bootstrap instances to various roles without having to maintain AMIs.
* Resolved system issues and inconsistencies in coordination with quality assurance and engineering teams.

**Environment:** SVN, Jenkins, GIT, GIT lab, Artifactory, Maven, Ant, JIRA, Confluence, Service now, AWS, Puppet.

Docker, Chef, S3, Autoscaling, EBS, RDS, Cloud sigma, ANT, LAMP, Anthill Pro, Maven, Apache Tomcat, Shell, Perl, Nexus, Ec2, Python.

**TWILIO, San Francisco, CA Apr 2011 – Jun 2013**

**Build & Release Engineer**

Twilio is a [cloud communications](https://en.wikipedia.org/wiki/Cloud_communications) platform as a service ([PaaS](https://en.wikipedia.org/wiki/Platform_as_a_service)) company based in [San Francisco](https://en.wikipedia.org/wiki/San_Francisco), [California](https://en.wikipedia.org/wiki/California). Twilio allows [software developers](https://en.wikipedia.org/wiki/Software_developers) to programmatically make and receive [phone calls](https://en.wikipedia.org/wiki/Telephone_call) and send and receive [text messages](https://en.wikipedia.org/wiki/Text_message) using its [web service](https://en.wikipedia.org/wiki/Web_service) [APIs](https://en.wikipedia.org/wiki/Application_programming_interface). Twilio's services are accessed over [HTTP](https://en.wikipedia.org/wiki/HTTP) and are billed based on usage.

**Responsibilities:**

* Worked as a DevOps Engineer for a team that involves three different development teams and multiple simultaneous software releases.
* Managed AWS assets and architecture to include VPC, Subnets, Routing Tables, Security Groups, EC2 and Route 53.
* Performed EC2 instances provisioning on AWS environment and implemented security groups, administered Amazon VPCs.
* Used different Jenkins plugins like Global Build Stats plugin, job generator plugin to help developers create new jobs, Hudson Post build task Plugin to publish artifacts to repositories once the build is succeeded and to perform some other tasks depending on the output of the build, Amazon EC2 plugin to create slaves on EC2 servers etc.
* Resolving the JIRA tickets for different environments of DevOps for all the projects involved in Chase account.
* Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
* Implemented a Continuous Delivery pipeline with Docker, Jenkins and GitHub and AWS AMI's, Whenever a new Github branch gets started, Jenkins, our Continuous Integration server, automatically attempts to build a new Docker container from it.
* Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers.
* Administered JENKINS, Proposed and implemented branching strategy suitable for agile/scrum, Development in a Fast Paced Engineering Environment.
* Worked with various DevOps tools: SVN and GIT for Version/Source control, Jenkins, Maven for Build Management, and Nagios for monitoring and Splunk for Log management.
* Experimented with Docker and Ansible together and then just using Ansible-compose.
* Involved in Migrating a production infrastructure into an Amazon Web Services utilizing AWS Cloud formation, Code Deploy, Chef, EBS, and Ops Works.
* Configured and monitored multi-platform servers using Nagios.
* Kept track of all releases and request of the developers through infrastructure management tool.

**Environment:** Jenkins, GIT, Chef, Docker, Python, Shell Scripting, Nagios, Ansible, AWS (EC2, RDS, S3, VPC, Cloud Watch and Route 53).

**Neustar inc, Sterling, VA Oct 2009 - Mar 2011**

**Build & Release Engineer**

Neustar, Inc. is an American technology company that provides real-time information and analytics for the Internet, telecommunications, entertainment, and [marketing](https://en.wikipedia.org/wiki/Marketing) industries, and a provider of clearinghouse and directory services to the global communications and Internet industries.

**Responsibilities**:

* Perform daily maintenance routines on Linux Servers, monitoring system access, managing file space and tuning the system for optimum performance.
* Used to maintain number of RedHat Linux servers by deploying them on VMware.
* Automated the entire build and deployment process using Jenkins and Hudson for Continuous Integration, and also documented the process
* Configure, maintain, and support continuous builds across multiple instances of Jenkins.
* Installed, Deployed Red Hat Enterprise Linux 6.x/7.x, CentOS and installation of packages, patches and Worked on installation Suse Servers at multiple Data Centers.
* Handled the EC2 setups and IAM roles and auto scaling in AWS cloud.
* Build artifacts are deployed into Tomcat instances which were integrated using the Perl and Shell scripts
* Hands on experience in using Tomcat and Apache web servers for deployments and for hosting tools.
* Configurations, setup and building of interfaces and modifying the flow to give the opportunity for reusability, scalability and functionality.
* Executed user administration and maintenance tasks including creating users and groups, reports and queries.
* Completing software builds and elevations, creating directories and security groups, and recreating prior versions. Monitored software, hardware, and/or middleware updates and utilizing technologies like Jenkins/Hudson, Ant, MS Build, and Subversion
* Built Web farm for development and testing and Implemented custom network in Docker container.
* Created playbooks for OpenStack deployments and bug fixes with Ansible.
* Responsible for creating analytical matrices reports for services based on Remedy tickets.
* Performed on-call deployments of applications to production environment.

**Environment:** GIT, ANT, MAVEN, JENKINS, Perl Scripts, Ansible, Clear Case, ANT, Shell Scripts, XML, UNIX, Build Forge, bash, Puppet, AWS, MySQL and NoSQL.

**Mahathi Software, Vizag, India Jun 2008 – Sep 2009**

**Linux Adminstrator**

**Mahathi Software is a company that provides the solutions to help physician group Practices, hospitals and health systems connect people and technology through streamlined process. It helps to reduce costs and improve patient care.**

**Responsibilities:**

* Linux systems administration: Building, deployment, and upgrading, user account management, security patches, software installation and configuration as well as mail server administration.
* Web application firewall administration: Monitoring and responding to alerts as well as maintaining the access updates as the firewall learns behavior.
* Automated System administrator tasks when provisioning and replacing failed hardware
* Support and Project roles using Red Hat Enterprise Linux, Vmware, Vsphere ESXi 5.x, and Solaris.
* Configured local repository to run RHEL packages updates from RCHEL server.
* Setting up the thresholds on the parameters for CPU, Memory, Disk, Network and alerting the users when the usage reaches the thresholds.
* Installed and Configured Sun availability Suite 3.5 to implement Point-in-time snap shots
* Configured local repository to run RHEL packages updates from RCHEL server.
* Planning, documenting and supporting high availability, data replication, business persistence,   
  fail-over, fail-back using Redhat Cluster Server in Linux environment.
* Trouble shooting User's login & home directory related issues.
* Installed and configured Apache and supported on Linux production servers.
* Modification of kernel parameters for server performance.
* Troubleshoot various systems problems such as application related issues, network related issues, hardware related issues etc.

**Environment:** RHEL, SSH, Apache, PHP, MY SQL, AD, Samba, NFS, VMware, AIX, NFS, DNS, UNIX, LINUX

Red Hat Linux 3.0,4.0,5.0 AS ES, VMware Tomcat 3.x, 4.x, 5.x, Apache Server 1.x, 2.x, Bash.

**Education**:

* Bachelors of Technology in Electronics and Communication Engineering, R.V.R&J.C College of Engineering, India.