**Niranjan**

**Sr. DevOps Engineer**

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**PROFESSIONAL SUMMARY:**

* Around 7 + years’ experience in IT and related technologies, with exclusive insight towards the technologies related to **Systems Engineering, DevOps and Cloud computing**.
* Extensive experience in working in a fast-pacedAgile environment.
* Experience in setting up DevOps Automation and Continuous Integration including designing of automated build systems for work set of enterprise applications on UNIX or Windows environment.
* Experience with Perforce, Subversion, GIT, Rational Clear Case and TFS.
* Experience with TFS (Team Foundation System) based **Build** System.
* Designed, developed and deployed applications on to several cloud based solutions using configuration Management tools like **Chef, Puppet, Ansible and SaltStack**.
* Experience in working with private cloud technologies like **OpenStack, HPE Eucalyptus**.
* Extensively worked in code merging and code quality checks using tools like **Git, SonarQube and Nexus.**
* Experience in building the code database using tools like **Gradle, Maven and Ant.**
* Proficient in**Jenkins** forsetting up**Continuous Integration**of DEV, QA, UAT and PROD environments.
* Experienced in **AWS** Cloud **IaaS** platform with features EC2, VPC, ELB, Auto-Scaling, Security Groups, Route53, IAM, EBS, AMI, RDS, S3, SNS, SQS, Cloud Watch, Cloud Formation, Cloud Front.
* Knowledge and good understanding on Virtualization and Cloud Computing (Private, Public and Hybrid) such as VMware/EMC (Cloud Foundry).
* Managed servers on the **Amazon Web Services** (AWS) platform instances using **Puppet, chef** configuration management.
* Experience in writing and deploying various **Ansible playbooks and modules** in the **Production** and **pre-production** environments**.**
* Experience in building various containers using **Docker engine and Docker Machine environments**, to deploy the micro services oriented environments for scalable applications.
* Experience in writing **Docker files** to build the **micro-service applications**.
* Proficient in using services like **Cloud Monitoring, Splunk, and Nagios** to do the monitoring of the application servers deployed in the cloud environment.
* Experience in performance monitoring and tuning in UNIX environments using tools like **vmstat, iostat and netstat.**
* Good understanding of concepts in database designing, object oriented programming concepts, RDBMS concepts.
* Used multiple bug tacking software like **Bugzilla, JIRA and Lean Testing**. Used those tools in finding, recording, reporting, managing and tracking of bugs.
* In depth, technical strengths and **business understanding for full-cycle project and post implementation problem solving requirements.**
* Strong attitude towards enhancing and learning new **tools and technologies.**
* Capable of handling multiple tasks and work effectively both in group and as an individual to meet deadlines.

**Technical Skills:**

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| **Configuration Management tools** | Puppet, Chef, Ansible, Salt Stack |
| **Cloud services** | AWS,Azure, Rackspace, Open Stack, HPE Eucalyptus, IBM Bluemix |
| **CI/CD servers** | Jenkins, Build Forge, Bamboo, Octopus Deploy |
| **Build Tools** | Maven, Ant, Gradle. |
| **Bug Tracking Tools** | JIRA, Rally, Remedy,IBM Clear Quest |
| **Programming Languages** | PL/SQL, XML, HTML, Shell, Python, Batch, Perl, Ruby, PowerShell |
| **Monitoring Tools** | Nagios, Stack driver, Graphite, Splunk, AWS cloud monitoring, Munin |
| **RDBMS** | PostgreSQL, MongoDB, Cassandra, Oracle, SQL SERVER, MySQL |
| **Web/Application Servers** | Weblogic, WebSphere, Apache Tomcat, AWS. |
| **Virtualization Tools** | Oracle VirtualBox, VMware Workstation, Vagrant, Docker, vSphere ESX |
| **Operating Systems** | Windows, Linux, Unix, Solaris. |

**PROFESSIONAL EXPERIENCE:**

**American Board of Internal Medicine – Philadelphia, PA Nov 2016 – Till Date**

**DevOps Engineer**

ABIM is the leading organization in providing certification of highest standard in internal medicine. Certification by the ABIM has stood for the highest standard in internal medicine and its 20 subspecialties. The project involves in setting up Docker, software design, development and implementation of functional applications. The main goal of the project is to start setting up Docker from the scratch and deploy the applications onto the containers to provide isolated environments for each stage i.e., for development, testing, pre-production and production environments and integrating octopus deploy for deploying the applications on to the containers.

**Responsibilities:**

* Install and setup Docker from the scratch and configure Docker containers on Windows server 2016.
* Configuring the Docker containers and creating Docker files for different environments.
* Virtualized the servers using Docker for the test environments and Dev environments needs. And, configuration automation using Docker containers.
* Work on microservices project- to build Docker containers and deploy to Dev, iTest, Scale, UAT (SIT), PROD.
* Worked on end to end setup of the Artifactory pro as a Docker container with a secure private Docker registry and local Docker repositories for storing the built Docker images.
* Worked on Docker machine to install Docker-engine on managed virtual hosts in the data center.
* Implement several Docker components like Docker Engine, Hub, Machine, Compose, Swarm and Docker Registry.Experience in Release Management Tool for Source control from TFS and GIT.
* 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, and IIS.
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Implemented automated local user provisioning instances created in AWS cloud.
* Setup and build AWS infrastructure various resources, VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates.
* Build servers using AWS, Importing volumes, launching EC2, RDS, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
* Deployed applications on AWS by using Elastic Beanstalk
* Maintained the Source code in TFS and GIT and deploying them to DEV, QA, UAT and PROD Environments.
* Administered and Configured the TFS with in multi -platform environments.
* Customized TFS 2013 Work Item Templates and Workflow(Transitions Matrix) of the Work Items.
* Administrated and Implemented TFS, Maintained and Migrated TFS & TFS 2012\2013 support
* Deploy software to Development, Quality Assurance, and Production environments using Octopus Deploy.
* Deployed builds from TFS to all environments with Octopus Deploy.
* Worked in CI/CD environment where team with frequently deployment using Jenkins build, and Octopus deployment
* Evaluate and maintain release requirements for upcoming software releases using various change tracking software packages.
* Implement and maintain Scripting deployment and monitoring solutions via PowerShell, Automation scripting.
* Troubleshoot production environments issues using various monitoring and or logging tools and insure minimization of downtime.
* Use development and scripting background in various windows scripting languages PowerShell, batch, etc., to build robust and scalable automation to improve and optimize in house applications support.

**Environment:**Windows 2003/2008/2012/2016, .Net, Visual Studio, AWS, Team Foundation Server (TFS), Jenkins, Hudson, Nexus, JFrog, Proget, Octopus Deploy, IIS, Docker, Docker Hub, SonarQube, PowerShell, Bash, Shell, JIRA, SQL.

**SEI Investments - Oaks, PA May 2015 – Oct 2016**

**DevOps Engineer**

SEI is a leading global provider of institutional and private client wealth management solutions, including asset management, investment processing, and investment operations. My responsibilities involved designing and deploying a multitude applications utilizing almost the entire AWS stack (including EC2, Route53, S3, RDS, DynamoDB, SNS, SWF, SQS, IAM, and EMR) focusing on high-availability, fault tolerance, and auto-scaling.

**Responsibilities:**

* Worked with a team of architectures, backend developers to gather function and non-functional requirements.
* Monitored IoT (Internet of Things) specified infrastructure design and implementation process.
* Involved in source control management with GitHub and GitLab Enterprise level repositories. Regular activities include configure user’s access levels, monitor logs, identifying merge conflicts and managing master repository.
* Deployed and monitored scalable infrastructure on Amazon web services (AWS)& configuration management.
* Written Cloud Formation temples from scratch to provision new environments from scratch. Good knowledge in using AWS CLI.
* Customized monitoring with Nagios&PNP4Nagios Graphs for both legacy and new environments.
* Built & Deployed Java/J2EE to web application server in agile continuous integration environment using Jenkins as Continuous Integration tool.
* Developed build & deployment scripts using MAVEN. Automated the process using plugins available Jenkins and move from one environment to other throughout the build pipeline.
* We are driving towards continuous integration and continuous delivery using Jenkins and Puppet for Docker image building and deployment.
* Configured ‘Nginx’ for proxy RESTful API calls to micro-services in Docker containers.
* Used Puppet as Continuous Deployment tool to deploy on to different Dev, Test, QA, Staging and Production environments.
* Built and wrote multiple Puppet based manifests, modules and files during the deployment process.
* Create Automic workflows to provide solutions to repetitive problems.
* Maintain Automic Internal Uptime by designing automated health checks and notifications
* Review Change Control requests to confirm proper testing and user notification was performed to ensure high quality Automic deployments.
* Advertise Automic Services to other Teams to improve overall visibility.
* Developed Shell/Python Scripts for automation purpose. Extensive knowledge on writing automation scripts using AWS python SDK (boto).
* Involved in phases of testing for example Integration testing, Smoke testing Performance testing and Load testing. We are also using inbuilt test cases in Jenkins and running those tests on master branch.
* Designed & deployed data center architecture on Linux Platform. Building, patching and managing existing datacenter rack servers on Red Hat Enterprise Linux

**Environment:** CI, AWS Cloud, Open Stack, PowerShell, Puppet, CloudWatch,Docker, Elasticsearch, JIRA, Python, Ruby, Shell, Perl, GIT, Jenkins, AWS EC2, WebSphere, ANT, Putty, CONFLUENCE, Java, J2EE, SOA.

**Flagstar Bank - Troy, MI Nov 2013 - April 2015**

**Build & Release engineer**

Flagstar Bancorp, Inc. is a savings and loan holding company. The Company's business is primarily conducted through its principal subsidiary, Flagstar Bank, FSB. The Company operates through three segments: Mortgage Originations, Mortgage Servicing and Community Banking. As a Build and Release engineer, I was responsible to build and run large-scale web production systems and application environment to ensure site reliability.

**Responsibilities:**

* Worked on building data center with AWS.
* Built Pre-prod environments AWS services like EC2, S3, VPC, EBS, ELB, Auto Scaling, CloudWatch, Cloud Trail, IAM, SNS, SQS, RDS, Dynamo DB, Cloud front etc.
* Managed servers on the Amazon Web Services (jenki) platform instances using Puppet, F Configuration Management.
* Created scripts in Python which integrated with Amazon API to control instance operations
* Installed Workstation, Bootstrapped Nodes, Wrote Recipes and Cookbooks and uploaded them to Chef server
* Managed On-site OS/Applications/Services/ Packages using Chef as well as AWS for EC2/S3&ELB with Chef Cookbooks.
* 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 the end product configuration.
* Maintained and administered GIT source code tool.
* Created Branches, Labels and performed Merges in Stash and GIT.
* Developed processes, tools, automation for Jenkins based software for build system and delivering SW Builds.
* Troubleshot and monitored various proprietary Acxiom and 3rd party applications using Splunk and Cloud Watch in the Amazon Web Services (AWS) environment.
* Managed build results in Jenkins and deployed using workflows.
* Experience in Installing, Configuring and Monitoring using NAGIOS, SiteScope and GRAPHITE.
* Delivered specific versions of various components of an application into target environments.
* Maintained and tracked inventory using Jenkins and set alerts when the servers are full and need attention.
* Modelled the structure for multi-tiered applications orchestrate the processes to deploy each tier.
* Developed builds and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
* Have used Confluence to create, share and discuss content and projects.
* Set up Elasticsearch, Logstash and Kibana for multiple clusters, helping other teams quickly access new job logs.
* Indexed data in Elasticsearch using the river plugin. Queried data using the elastic search API
* Used ANT, Puppet/ Chef Scripts with Ivy to build the application and deploy.
* Proposed and implemented branching strategy suitable for agile development in Subversion.
* Created Branches, and performed Merges in Source Tree & Stash
* Installed and configured Jenkins for Automating Deployments and providing an automation solution.
* Integrated GIT into Jenkins to automate the code check-out process.
* Used Jenkins for automating Builds and Automating Deployments.

**Environment:** AWS, Ant, Hudson, Anthill Pro, Maven, Weblogic, Remedy, Subversion, Solaris, Linux, Perl, Shell.

**Davita HealthCare Partners - Denver, CO Jan 2013 – Oct2013**

**Release Engineer**

DaVita HealthCare Partners is a leading provider of kidney care in the United States, delivering dialysis services to patients with chronic kidney failure and end stage renal disease. The Company operates Kidney Care division and HealthCare Partners (HCP) division.As member of Release Engineering group, redefined processes and implemented tools for software builds, patch creation, source control, and release tracking and reporting, on Unix platform.

**Responsibilities:**

* Built Automation for java and python using Maven and Puppet
* Created and managed the various development and build platforms, and deployment strategies
* Built and deployed J2EE application in WebSphere 6.0 using ATG7.0 Dynamo
* Assisted with maintaining current build systems, developed build scripts, and maintained the source control system
* Managed the release-to-production processes for Web Services IT solutions –Collect information necessary to build release cookbook.
* Coordinated the resources by working closely with Project Manager’s for the release and Project Manager for all the Operational Projects.
* Used Team forge tool to manage the repository in Ant and used the same to share the snapshots and releases of internal projects.
* Proposed different branching strategies for SVN Subversion to support the parallel development for various projects.
* Configured and managed jobs in Jenkins. Set up jobs for auto deployment.
* Created and managed all the branches for short term and long term projects in SVN Subversion.
* Merged all the development branches to the release branch and perform a QA migration.
* Created backup scripts for SVN Subversion and perform the backup activity every week.
* Responsible for maintaining build scripts and checking build status. Maintained and modified scripts and documented process for build.
* Communicated these needs to the leads and maintain the integrity of the data in the TFS.
* Created Change Controls and for change management process for Various Migration of code to production, and worked on approvals from seniors and CAB and ECAB.

**Environmen**t: SVN, Jenkins, Java/J2EE, ANT, MAVEN, GIT, OpenStack, Perl Scripts, Shell Scripts, Sonar, UNIX, JIRA, Web sphere, Chef

**Intuit Inc. - Menlo Park, CA Jun 2011 – Dec 2012**

**Build & Release Engineer**

Intuit Inc. is a provider of business and financial management solutions for small businesses, consumers and accounting professionals. The Company operates through three segments: Small Business, Consumer Tax and Professional Tax.  As a Build & Release Engineer I was responsible for multiple application release cycles.

**Responsibilities:**

* Participated in the release cycle of the product, which involves environments like Development QA UAT and Production.
* Used Perforce for the purpose of Software Configuration management and maintaining the versions of the Symantec’s Website Code.
* Coordinating the resources by working closely with Project Manager’s for the release and Project Manager for all the Operational Projects.
* Automated Build Artifacts using Hudson and Cruise Control.
* Carried Deployments and builds on various environments.
* Wrote ANT Scripts to automate the build process.
* Created the Deployment notes along with the Local SCM team and released the Deployment Instruction to application support.
* Coordinated with IT groups on the release timings to ensure systems are ready for code to be deployed.
* Managed source code, software builds, software versioning, and defect tracking on all software maintenance tasks and projects.
* Maintained release plan, manage release content, communicate release status and analyze functional and technical dependencies among projects and maintenance of releases.
* Planned and wrote Project’s CM Plans and process.
* Helped CC Admin and involved in Administrator Activities.
* Performed Builds for various Environments like QA, Integration, UAT and Productions Environment.

**Environment:** Subversion, Hudson, Apache Tomcat, Java/J2EE, ANT, Shell Scripts, UNIX, LINUX, Windows.

**Polaris - Chennai,India Jul 2009 – May 2011**

**System Administrator**

**Responsibilities:**

* Establishes system by planning and executing the selection, installation, configuration, and testing of web application server hardware, software, LANs and WANs.
* Maintains optimal system performance with system monitoring, analysis, and performance tuning.
* Involved in Hardware and software evaluation, recommendation and vendor management.
* Automation of various administrative tasks on multiple servers using Puppet.
* Deployed Puppet, Puppet Dashboard, and Puppet DB for configuration management to existing infrastructure.
* Troubleshoots system hardware, software, networks and operating system.
* Managed and carried out system maintenance, hardware replacements and upgrades. Performed system patch and software analysis, installs and configuration.
* Installed and Configured RHEL 3/4/5 on Intel and AMD hardware
* Participated in upgrading and migrating to newer versions.
* Perform Linux Kernel tuning for web, database and application servers.
* Installed and configured Apache Web server and integrated with WebLogic server […]
* Managed user accounts and groups for corporate Linux users.
* Managed and support corporate Linux Development servers.
* Responsible for OS installs, system configuration and upgrades.
* Manage and perform change control and administration on application servers, web servers, and database servers in company's mission critical production, staging and development environments.
* Designs and runs system load/stress testing.
* Secures system by developing system access, monitoring, and controls.
* Establishes, tests and documents disaster recovery policies and procedures.
* Developed build and deployment processes.
* Developed and maintained integration and release processes.
* Developed and maintained UNIX/Perl/Ant scripts for build and release tasks.
* Responsible for building and releasing packages in different Environments.
* Performing clean builds according to the schedule published for a given release.
* Responsible for deleting the old deployed code and deploying the newly built code using Web Sphere IDE (Integrated Development Environment).
* Releasing code to testing regions or staging areas per the schedule published.

Environment: Red Hat Linux 3/4, Solaris 9, Veritas volume manager, Puppet, SSH, LVM, SVM, WebSphere Servers