**Venkata Naga Jaylakshmi**

**DevOps Engineer**

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**Professional Summary**

* **Over 5 years** of experience in Build and release management, DevOps engineering, application configurations, building, automating, managing and releasing code from one environment to other environment and deploying to servers.
* Experience in Software Product Development, Process Automation, Build and Deployment Automation, Release Management, Packaging Quality Control, Source Code repository & Environment management.
* Experience setting up **new environments or flatten/rebuild existing environments**, hands on experience installing OS, configuring, preparing Application baseline, setting up IIS, **deploying application and performing test** to make sure site is up and running
* Excellent hands on experience on configuration management tools like **Chef**, **Puppet, Ansible, Docker**.
* Strong knowledge in AWS which includes **EC2, S3, RDS, VPC, ELB, EBS, Route 53, RedShift, EMR, Cloud Watch, Cloud Formation, Cloud Trail, Elastic Bean Stalk**.
* Experience in Server monitoring, capacity planning, application monitoring with the help of Nagios
* Experience in web/application servers like **Apache, JBOSS** and **Tomcat.**
* Experienced in Administration of Production, Development and Test environments carrying different operating system platforms like **Windows, Ubuntu, Red Hat Linux, SUSE Linux**, **Centos** and Solaris servers.
* Expertise in implementation and maintenance of Apache Httpd, SMTP, DHCP, NFS, NIS, NIS+, LDAP, DNS, SAMBA, SQUID, Postfix, Sendmail, FTP, Remote Access, Security Management Security trouble shooting skills. Deep understanding of Layer 7 protocols like **HTTP, DHCP, DNS, SSL/TLS**.
* Experience in writing **shell scripts** to automate the administrative tasks and management using cron and at.
* Experience in using bug tracking systems like **JIRA, Remedy, HP Quality Center and IBM Clear Quest**.
* Extensive experience in designing and implementation of **continuous integration, continuous delivery, continuous deployment** through **Jenkins.**
* Ability to support and manage Enterprise mission critical applications, **Operations support** experience in a 24\*7\*365 support model.

**Technical Skills:**

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| **Operating Systems** | Unix, LINUX and Windows |
| **Version Control Tools** | Subversion, GIT, Bitbucket |
| **Build Tools** | ANT and Maven |
| **CI/CD Tools** | Jenkins, Concourse, Bamboo and TeamCity |
| **Configuration Management Tools** | Ansible, Chef and Puppet |
| **Containerization Tools** | Docker, Docker Swarm, Kubernetes, ECS, ACS, and GCS |
| **Programming/Scripting** | Shell, Python, Ruby, Perl, XML and JavaScripts |
| **Languages** | Repository Managers Nexus and Artifactory |
| **Logging & Monitoring Tools** | Elasticsearch, Logstash, Fluentd, Kibana, Nagios, Splunk and Cloud watch |
| **Cloud Technologies** | AWS, Azure and OpenStack |

**Professional Experience:**

**Client: Riverview Community Bank, Vancouver, WA Aug 2019 – Till Date**

**Role: DevOps Engineer**

**Responsibilities:**

* Developed and implemented an **Agile** SDLC and refinement of the Software Configuration Management (**SCM**) infrastructure.
* Installed, Configured and Administered WebSphere Application Server ND/XD on **Red Hat Linux platform.**
* Documented process documents for **Jenkins , Bit bucket**, CD Pipeline and Code deployment guide for Developers, Testers and Production Management.
* Worked on creating deployment scripts using PowerShell and automated multiple daily maintenance tasks using PowerShell
* Automate the processes using PowerShell and windows command shell.
* Built custom tools in python for generating email templates which are powerful enough to consume large amount of data and convey the testing results in a simpler way.
* Maintained the user accounts **IAM Roles, VPC, RDB, Dynamo DB, SES, SQS** and **SNS** services in **AWS cloud.**
* Used **AWS** services such as IAM, route 53, EC2, EBS, AMI, Auto scaling, VPC, Load balancer, RDS, VPC, ECS, Cloud watch, Cloud formation, SNS, etc.
* Made use of ELK stack for logging all the activity and create indexes which can be queried by kibana.
* Developed **Ansible playbooks**for Auto installation of **IBM WebSphere softwares** on the servers.
* Worked on several Docker Components like **Docker** Engine, Hub, Machine,
* Handled large volumes of container clusters with Docker swarm and kubernetes.
* creating **Docker** Images, **Docker** Registry.
* Installing RedHat Linux using kickstart and applying security polices for hardening the server based on the company policies.
* Supported the code builds by integrating with continuous integration tool **(Jenkins).**
* Used **pytest** framework to integrate several python tools for testing applications which involves xdist, mock, parallel, selenium, chrome, Firefox and provide **html/xml** reports.
* Used **GIT** version control to manage the source code.
* Written **Maven** scripts, Installed **Jenkins,** written **shell script** for end to end build and deployment automation.
* Maintained **QA environment** and solved issue of QA and maintain DB version according releases. Also published code and DB on production and staging as per business requirement.

**Environment:** Docker, Ansible, Jenkins, Python, PowerShell, Pytest, Maven, Docker, Kubernetes, GIT, AWS, WebSphere Application, Kibana, Red hat Linux.

**Client: Selective Insurance, Branchville, NJ Apr 2017 – Jul 2019**

**Role: DevOps Engineer**

**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.
* Developed processes, tools, automation for **Jenkins** based software for build system and delivering **SW Builds.**
* Created documents on build and release process and flow, release processes, order of activities for all releases, user guide for developers for local builds.
* Designed and built a continuous integration and deployment framework for Chef Code using test driven development.
* Worked on **Apache Hadoop** and used Kafka for messaging system and **spark** for processing large sets of data.
* Utilize **AWS CLI** to automate backups of ephemeral data-stores to **S3 buckets, EBS** and create nightly AMIs for mission critical production servers as backups
* Developed build and deployment scripts using **MAVEN** as build tool in Jenkins to move from one environment to other environments.
* Created Docker images using a **Docker file**, worked on Docker container snapshots, removing images and managing Docker volumes.
* Documented release metrics, software configuration process. Used **Maven** scripts to build the source code. Supported and helped to create Dynamic Views and Snapshot views for end users.
* Managing users and groups using the amazon identity and access management (**IAM**)
* Developed and maintained in-house Code review system before migrating to the lightweight code review system available in Stash.
* Used micro service architecture, with **Spring Boot**-based services interacting through a combination of REST and MQ and leveraging AWS to build, test and deploy Identity microservises.
* Deployed a centralized log management system and integrated into **Chef** to be used by others.
* Writing **Chef**recipes for various applications and deploying them in **AWS.**
* Integrated services like **GitHub**, **AWS** CodePipeline, **Jenkins** and **AWS** Elastic Beanstalk to create a deployment pipeline.

**Environment:** Java, AWS, Eclipse, Tomcat, Apache, Chef, Oracle, Jenkins, JIRA, Maven, Git, Windows, Chef, Windows.

**Client: Bobs Furniture, Manchester, CT Aug 2015 – Mar 2017**

**Role: DevOps Engineer**

**Responsibilities:**

* Release Engineer for a team that involved different development teams and multiple simultaneous software releases.
* Effective at managing enterprise puppet environments, maintaining test and production catalogues and writing reusable modules for use in configuration management.
* Developed scripts using **BASH** and BATCH files for Automation of Activities and builds.
* Working closely with Web Administrators to setup an automated deployment for SharePoint applications using **SVN and Git Tools.**
* Responsible for developing and maintaining build, deployment scripts written in Shell/Perl for test, Staging and Production environments using ANT and Maven.
* Implemented cloud services **IAAS, PAAS** and **SaaS**which include **Openstack**, **Docker**and **Openshift.**
* Managing and optimize the Continuous Integration using **Jenkins, Bamboo**and troubleshoot the deployment build issues using the trigged logs.
* Monitored Application and Servers through **Nagios,** Web Servers Administration on **Apache**and **Nginx.**
* Performed **User Acceptance Testing (UAT**) to all the test scenarios before intimating to the business.
* Involved in setting up **JIRA** as defect tracking system and configured various workflows, customizations and plugins for the **JIRA bug/issue tracker.**
* Deployed the EAR and WAR archives into **WebLogic** and **Apache Servers.**
* Installed new software releases, system upgrades and resolve software-related problems.

**Environment:** Java, Docker, Puppet, PAAS, Nagios, Nginx, AWS, GIT, Jira, Jenkins, Maven, WebLogic, Share Point, Windows.