**Name: Parth Patel**

**DevOps Engineer**

**Email: parthypatelmail@gmail.com**

**Ph #: 6032474352**

**Professional Summary:**

* **7 years** of experience as **DevOps Engineer/Build and Release Engineer** who is motivated, enthusiastic, and pro-active with an excellent 'can-do' attitude and ‘go-to’ personal.
* In-depth understanding of **Software Configuration Management** (SCM) processes which include compiling, packaging and deploying of various applications.
* Good experience with **Continuous Integration** and **Deployment** methodologies using **Jenkins, Hudosn,** andConfiguration Management tools such as **Ansible**/**Chef**/**Puppet** and **Docker containers** for environment independence.
* Experienced in **Configuring and Deploying** infrastructure and applications into cloud using **AWS resources such as** **EC2 instances, S3, RDS, EBS, VPC, SNS, IAM policies, Route 53, Auto scaling, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, OpsWork, Security Groups, AWS Lambda** focusing on fault tolerance and high availability.
* Experience working on User admin groups, maintaining account and monitoring system performance using Nagios.
* Experience in working with different build automation tools like **Jenkins** and **Maven** to achieve End-to-End Automation.
* Experienced in maintaining Docker containers with **Kubernetes** to automate the docker container maintenance by using it and worked on with **REST API.**
* Extensively used **Docker** for virtualization, Ship, Run and Deploy the application securely for fasten the Build/Release Engineering.
* Experience in using version control systems like Subversion (SVN) and different flavors of GIT.
* Strong knowledge on source control concepts like Branches, Merges, and Tags.
* Experience working with log monitoring with ELK Stack (Elasticsearch, Logstash, Kibana).
* Experienced in **Installations**, **Upgrades**, **Patches**, **Configuration**, **Performance** tuning on system **software** and **hardware**.
* Good scripting skills for maintaining, developing **shell and python scripts** and troubleshooting the **C**, **Bourne** and **Perl** scripts.
* Stay current with the latest features/capabilities of the **AWS** platform.
* Good experience on implementing **Chef** to convert Infrastructure as code.
* Engineer, manage, and support source control and binary repository systems such as BitBucket / Stash, Git, SVN, and Nexus.
* Experience **supporting 24x7 production** and providing **on-call** & weekend support.
* Experienced in **Trouble shooting**, Backup and Recovery.
* Extensive experience with **Kick Start** Server and **Jump Start** Server to install Operating systems across multiple machines at a time.

**Technical Skills:**

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| **Programming** | Python, Java, Shell Scripting |
| **IaaS** | AWS, Azure |
| **Source Control/Versioning** | SVN, GIT |
| **CI Tools** | Bamboo, Jenkins |
| **Configuration** | Puppet, Chef, Ansible |
| **Containerization** | Docker, Kubernetes |
| **Build Tools** | Maven, Ant |
| **Web Servers** | Web logic, WebSphere, Apache Tomcat, JBOSS, Nginx |
| **OS** | Linux, Windows |
| **Databases** | Oracle 11g, MySQL, Postgres SQL, MongoDB |
| **Bug Tracking Tools** | JIRA, Remedy |
| **Monitoring tools** | [Nagios](https://www.nagios.org/), Splunk |

**Education:**

* **Masters in Computer Information System From New England College, Henniker , NH Jan-2017 – June 2018**

**Professional Experience:**

**Client: Liberty Mutual, Indianapolis, IN Jan-2019 – Present**

**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 and implemented **Software Release Management** strategies for various applications according to the agile process.
* Developed **Scripts** and great ideas to automate system **deployment** to **scale** infrastructure.
* Created documents on build and release process and flow, release processes, order of activities for all releases, user guide for developers for local builds.
* Used **AWS** **Beanstalk** for deploying and scaling web applications and services developed with Java, PHP, Node.js, Python and app deployments and worked on AWS lambda with Amazon kinesis.
* Deployed **Ansible modules** to provision and manage AWS EC2 instances, volumes, DNS, and S3.
* Responsible for Continuous Integration **(CI)** and Continuous Delivery **(CD)** process implementation-using Jenkins along with Python and Shell scripts to automate routine jobs.
* Installed, Configured and Administered **Jenkins** Continuous Integration Tools.
* Proposed, Implemented and maintained New **Branching strategies** for development teams to support trunk, development baseline codes along with several feature branches.
* Responsible for defining branching & merging strategy, checkin policies, improving code quality, automated Gated Checkins, defining backup and archival plans.
* Implemented new projects builds framework using **Jenkins & maven** as build framework tools.
* Used **Maven** as build tool on Java projects for the development of build artifacts on the source code.
* Developed automation framework for Application Deployments to the cloud environments.
* Implemented AWS solutions using **EC2, S3, RDS, EBS, Elastic Load Balancer,** Auto scaling groups, Optimized volumes and EC2 instances.
* Performed Branching, Tagging, and Release Activities on Version Control Tools: **GIT.**
* Develop CI/CD system with **Jenkins** on **Kubernetes** container environment, utilizing **Kubernetes** for the runtime environment for the CI/CD system to build and test and deploy.
* Deployed the Java applications into web application servers like **WebSphere.**
* Performed and deployed Builds for various Environments like QA, Integration, UAT and Productions Environments.
* Worked on the cloud-based diagramming software called Gliffy for creating different types of design documents required for the continuous integration process.
* Organized and Coordinated Product Releases, work closely with product development, QA, Support across global locations to ensure successful releases.
* Automate and deploy development environments using **Ansible** to various cloud providers **Amazon AWS and EC2, and Jenkins** testing.
* 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.
* Worked on the installation and configuration of the monitoring tool Nagios.
* Worked on Apache and Firewalls in both development and production.
* Deployed and configured Atlassian Jira, both hosted and local instances for issue tracking, workflow collaboration, and tool-chain automation.
* Troubleshoot and resolved Build failures due to infrastructure issues reduced by 95% stabilizing the build process. Setup and executed process to code review system effectively.

**Environment:** Java, AWS, Jenkins, Maven, Nagios, SQL, Ansible, Kubernetes, IBM WebSphere, Java/J2EE, Git, JIRA, XML, Linux.

**Client: Charles Schwab, Roanoke, TX May-2017 Dec-2018**

**Role: DevOps Engineer**

**Responsibilities:**

* **Creating 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.
* Implementing new projects builds framework using **Jenkins & maven** as build framework tools
* Implementing a **Continuous Delivery** framework using **Jenkins, Chef, Maven & Nexus** in Linux environment.
* Repaired broken **Chef** Recipes and corrected **configuration** problems with other **chef objects**.
* Developed **Scripts** and great ideas to automate system **deployment** to **scale** infrastructure.
* Leading the **automation** of implementation and configuration work through **Chef**.
* Deployment and implementation of **Chef** for **infrastructure as code** initiative.
* Writing different **Chef Cookbooks** for installing, configuration, and upgrading different applications on the Servers.
* Manage deployment automation by creating **Chef Roles**.
* AWS **Cloud management** and **Chef automation**
* Imported and managed multiple corporate applications using **GIT**.
* Responsible for Design of different Release Environments for new projects.
* Using **Jenkins** AWS Code **Deploy plug-in** to deploy into AWS
* Defining Release Process & Policy for projects early in SDLC.
* Responsible for **Database build, release and configuration**
* Perform **Deployment** of Release to various **QA** & **UAT** in **Linux environments**.
* Configured Elastic Load Balancers with EC2 Auto scaling groups
* Created documents on build and release process and flow, release processes, order of activities for all releases, user guide for developers for local builds.
* Work with different team members for **automation** of Release components.
* Resolved system issues and inconsistencies in coordination with quality assurance and engineering teams.
* Troubleshoot the build issue during the Jenkins build process.

**Environment:** Java, SQL, AWS EC2, Python, Java/J2EE, Maven, Chef, JIRA, XML, Docker, Jenkins, Windows.

**Client: Qualcomm, India August-2015 – Nov-2016**

**Role: DevOps/ Cloud Engineer**

**Responsibilities:**

* Gathered all the **stakeholder approvals, necessary signoffs** while acting as a DevOps/Release manager for two development teams.
* 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.
* Responsible for Continuous Integration **(CI)** and Continuous Delivery **(CD)** process implementation-using Jenkins along with Python and Shell scripts to automate routine jobs.
* Installed, Configured and Administered **Jenkins** Continuous Integration Tools.
* Implemented new projects builds framework using **Jenkins & maven** as build framework tools.
* Used **Maven** as build tool on Java projects for the development of build artifacts on the source code.
* Implemented rapid-provisioning and life-cycle management for Red Hat Linux using **Puppet.**
* Deployed Puppet, Puppet dashboard for configuration management to existing infrastructure.
* Developed **Puppet** modules to automate deployment, configuration, and lifecycle management of key clusters.
* Developed automation framework for Application Deployments to the cloud environments.
* Implemented AWS solutions using **EC2, S3, RDS, EBS, Elastic Load Balancer,** Auto scaling groups, Optimized volumes and EC2 instances.
* Performed Branching, Tagging, and Release Activities on Version Control Tools: **GIT.**
* Performed and deployed Builds for various Environments like QA, Integration, UAT and Productions Environments
* Worked on the installation and configuration of the monitoring tool Nagios.
* Troubleshoot and resolved Build failures due to infrastructure issues reduced by 95% stabilizing the build process. Setup and executed process to code review system effectively.

**Environment:** Java, Jenkins, Maven, Nagios, SQL, Puppet, AWS, Nagios, IBM WebSphere, Python, Docker, Java/J2EE, Git, JIRA, XML, Linux.

**Company: Cygnet Infotech, India Dec-2014 – July-2015**

**Role: Build & Release Engineer**

**Responsibilities:**

* Participated in the release cycle of the product which involved environments like Development, INT, QA, UAT and Production.
* Responsible for the building and deploying the artifacts into DEV, INT and QA Environments
* Used GIT as version Control for maintaining the versions.
* Created GIT configuration record for builds using derived objects generated during build audit process.
* Perform biweekly build cycle and testing processes.
* Used Maven to automate the build process.
* Managed environments DEV, BCP, UAT and PROD for various releases and designed instance strategies.
* Used Apache Tomcat as application server for deploying the artifacts.
* Developed UNIX and Perl Scripts for the purpose of manual deployment of the code to the different environments and E-mail the team when the build is completed.
* Managed and performed the environment related configuration changes as a part of deployment.
* Created deployment request tickets in Remedy for the deploying the code to Production.
* Attended the Minor/Major Event change control meetings to get necessary approvals for the deployment request.
* Used Perl/Shell to automate build and deployment Process.
* Documented the deployment process (Migration Doc) of code to production.
* Used JIRA as Issue Tracking Tool.

**Environment**: Java, Jenkins, Maven, JIRA, Perl/Shell, UNIX, Linux, GIT, Tomcat.

**Certifications:**

* **AWS Cloud Practitioner Essentials**
* **AWS Certified Solutions Architect – Associate**

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