**ABHISHEK Heera**

**DevOps/Migration Engineer**

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**PROFESSIONAL SUMMARY**

* Around 7 years of experience in Cloud Infrastructure and DevOps experience building CI/CD pipelines and automation.
* Hands on experience with configuration management tools such as Chef, Ansible. Version control using GIT, SVN. Containerization using Docker and Kubernetes, continuous integration using Jenkins, Bamboo and worked on build tools like ANT and Maven.
* Experience in Continuous Integration and deployment using various like Jenkins, Hudson, Bamboo, Chef, and Puppet.
* Expert in Jira Atlassian admin. Have worked extensively with Jira plugins like Tempo, WBS, Jira Automation, Docker.
* Configures and administers Jira Software, Jira Core and/or Jira Service Desk, and related products such as apps.
* Experience in working on AWS and its services like **AWS IAM, VPC, EC2, ECS, EBS, RDS, S3, Lambda, ELB, Auto Scaling, Route 53, Cloud Front, Cloud Watch, Cloud Trail, SQS, and SNS.**
* Experienced in Cloud automation using AWS Cloud Formation templates to create custom sized VPC, subnets, NAT, EC2 instances, ELB and Security groups.
* Manages global settings including users and groups, roles, global permissions, and schemes.
* Creates projects, sets up project permissions, and assigns Jira project administrators.
* Expertise in all areas of SCM processes, including version, build and issue management, build and release management.
* Expert in deploying the code through web application servers like WebSphere/Web Logic/ Apache Tomcat/JBOSS
* Good experience in middleware services JDBC, SSL certificates in WebLogic.
* Expertise in Deploying and troubleshooting the J2EE Applications (WAR & EAR) in JBOSS Application Server
* Experience with maintaining the 24x7 production environments on public Cloud environments (AWS, Azure) and on prem.
* Extensive experience in setting up the CI/CD pipelines using Jenkins, Maven, Nexus, GitHub, CHEF, Terraform and AWS.
* Developed Python scripts for software build conduct and management support.
* Extensive experience using MAVEN and ANT as build tools for the building of deployable artifacts (jar, war, ear) from raw source code.
* Extensively worked on **Jenkins** for continuous integration and End-to-End automation for all build and deployments.
* Experience working on several **Docke**r components like **Docker** Engine, Hub, Machine, creating **Docker** images, Compose, **Docker** Registry and handling multiple images primarily for middleware installations and domain configurations.
* Building/Maintaining **Docker** container clusters managed by **Kubernetes**.
* Working on **On-Premises** and **AWS** platforms utilizing DevOps/Agile operational processes.
* Experience in designing, configuring and deploying solutions on Microsoft **Azure** using **ARM** Templates, **AZURE PowerShell** Module and, **Azure CLI** focusing on high-availability and auto-scaling.
* Good working knowledge of Creating, the AWS VPC network for installed instances and configured security groups and Elastic IP’s accordingly.
* Experience in installing **Logstash**, **Elastic search**, **Kibana** on containers and creating **Logstash config file** to get all the logs from the server.
* Experience in using Bug tracking tools like **JIRA, and HP Quality Centre.**
* Experience in working with configuration management tools **ANSIBLE**.
* Created **Ansible** playbooks to automatically install packages from a repository, to change the configuration of remotely configured machines and to deploy new builds.
* Proficient in tracing complex build problems, release issues and environment issues in a multi-component environment.
* Experience in configuring clusters and managing domains in Application Servers
* Knowledge of using Routed Protocols: **FTP**, **SSH**, **HTTP**, **TCP/IP**, and **HTTPS**.
* Experience in deploying **JDBC** pool connections using SSI’s.
* Excellent communication skills, leadership abilities, strong architectural skills, hardworking and a very good team worker.

**EDUCATION**

* **Masters in Computer Science - Colorado Technical University – 2017**

**TECHNICAL SKILLS**

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| **Languages/Scripting** | C, C++, Java/J2EE, JavaScript, Perl scripting, Batch scripting, Power Shell scripting, SQL, , Ruby, Python, | |
| **Operating System** | | Windows, Mac OS X, UNIX, LINUX, REDHAT, Fedora, Ubuntu, Cloudera | |
| **Cloud Computing** | | AWS (EC2, ELB, S3), Azure, OpenStack (Nova, Swift, Glance) | |
| **No SQL / SQL Databases** | | MySQL 5.0, MS Access, SQL Server, Oracle, Mongo | |
| **Web/ Application Servers** | | Apache Tomcat, JBOSS, IBM WebSphere 8.5, WebLogic, OpenShift | |
| **CI Tools** | | Jenkins, Chef, Puppet, Ansible | |
| **Atlassian** | | JIRA and Confluence, Stash, Crowd, Fisheye, Crucible, Bamboo, SVN, GIT, Bitbucket, SDK. | |
| **Protocols** | | TCP/IP, HTTP, HTTPS (HTTP+SSL), SSH, TELNET, FTP. | |
| **Build Tool** | | Maven, Gradle, Jenkins, SVN, Ant, Junit, Log4j | |
| **Version Control** | | CVS, Tortoise SVN, Clear Case, GIT, Perforce, PVCS, Team Foundation Server | |
| **DBMS Tools** | | TOAD, SQL developer, PL/SQL developer | |
| **Quality Tool** | | JIRA, Bugzilla | |

**EXPERIENCE SUMMARY**

**State of TN, Nashville, TN**

**Department: HealthCare MAY 2021 – Current**

**Role: Sr DevOps Engineer**

**Project: TFS Migration**

**Responsibilities**

* Configured and Managed repositories for various components of application using Bitbucket for Source code management, version control and managing various requirements for code promotion.
* Created various plans and tasks using bamboo to build and deploy code to various environments and configured it to be automated based on the requirements.
* Monitor various application logs using Splunk to handle or resolve any issues real time.
* Responsible for administration, maintenance, upgrades and enhancements to JIRA, Confluence, Bitbucket and integrations with other tools or plugins like Tempo.
* Develop & maintain custom JIRA workflows based upon business requirements
* Migration of code from TFS repository to GitHub repository for flexible version control.
* Converted various version control system specific directives and necessary mappings as required.
* Task management and workflow to track issues, bugs and various application requests using the Jira.
* Develop & maintain custom JIRA workflows based upon business requirements
* Performed migration of repositories from TF to GitHub.
* Performed various builds on a regular basis and patches required by the application teams.
* Raised firewall rules and user access requests for various servers for targeted and destination and made use of Jira for tracking progress.
* Used NuGet packaging for versioning support.
* Maintained servers and provided on the go support to application teams to resolve issues.
* Starting and stopping various nodes and slaves for environments with appropriate changes.
* Involved in merging code for different components of application including enhancements.
* Managed Jboss servers to configure and resolve issues.

**UPS, Lutherville- Timonium, MD JUL 2019–APR 2021**

**Role: Systems Migration Engineer**

**SYNOPSIS:** Migrating various applications from tomcat and JBOSS to OpenShift container platform using azure and Jenkins pipelines to build and deploy.

**Responsibilities**

* Source code management using Azure DevOps server to perform various tasks including version control project management builds and reporting.
* Built multi branch pipelines using Jenkins to build and deploy various applications to OpenShift.
* Scaling pods according to requirements and performing restarts when needed for apps in OpenShift to resolve any issues.
* Responsible for administration, maintenance, upgrades and enhancements to JIRA, Confluence, Bitbucket and integrations with other tools or plugins like Tempo.
* JIRA Agile (formerly green hopper), installed plugins for Confluence, experience maintaining custom Java custom reporting in JIRA
* Administration of Atlassian Add-ons and 3rd party integrations, plugins, and extensions
* Vet the security of those add-ons and integrations, etc.
* Gather requirements for business processes, and determine ways to optimize/improve JIRA/Confluence build and configure complex workflows and screen, field, security, and notification schemes
* Develop metrics dashboards and advanced filters in JIRA to provide end-users and business leadership with meaningful operational/performance metrics and status reports
* Implement Atlassian Tools upgrades, and partner with other IT staff to coordinate infrastructure maintenance and system migrations.
* Develop & maintain custom JIRA workflows based upon business requirements
* Created custom permission schemes, notification schemes, screens, and similar configuration changes on a project-by-project basis.
* Provided User Management and support for 1000+ local and remote users, manage system access across groups to ensure compliance, and maintain best practices.
* Performed soft launches for various application using the stage and live routes implementation in OpenShift, which would only be toggled upon successful testing of the staged application.
* Involved in raising firewall rules by providing necessary source, destination, and ports for various apps.
* Monitoring applications using APM in OpenShift which would require filtering at the pod’s environment variables level.
* Maintained high availability clustered and standalone server environments and refined automation components with scripting and configuration management (Ansible) and experienced in writing Ansible scripts.
* Used Ansible tower to run various job templates for onboarding applications and to generate the required com configs where necessary resources can be set for each environment for an app.
* Involved in integrating taurus plugin with Jenkins for functional and performance test automation.
* Involved in editing the existing ANT/MAVEN files in case of errors or changes in the project requirements.
* Used visual studio code for integrated development environment to run and execute apps.
* Performed route switching from stage to live using job templates in ansible tower to switch traffic.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.

**Environment:** Azure, Openshift, Ansible, JBOSS, ANT/MAVEN, JIRA and Confluence, Bamboo, SVN, GIT, Bitbucket, SDK.

**Freddie Mac, McLean, VA JUN 2018 – JUN 2019**

**Role: Sr. Systems Administrator**

**Responsibilities**

* Responsible for Installation, Configuration and Administration of WebSphere Process Server 7.0 including tracking of where the current business process is and troubleshooting issues with other services.
* Installed, configured, administered and supported WebSphere Application Servers 7.0 on Linux and Windows.
* Installed Fix packs, Cumulative Fixes and Patches on the Base and ND Versions.
* Installation of WebSphere and IHS through silent installation using response files.
* Created the WebSphere Process Server Cluster (Golden topology), ME Cluster, and CEI Cluster and performed a manual install of CEI Applications and changes on data sources.
* Responsible for day-to-day build and deployments in pre-production and production environments.
* Operating and maintaining multiple **Data Centers** including data clusters across data centers.
* Build out server automation with Continuous Integration - Continuous Deployment tools like **Jenkins/Maven** for deployment and build management system.
* Configure Elastic Load balancer (**ELB**) including high availability of ELB using various subnets in various availability zones, configured security settings and health check for application.
* Acting as coordinator during the process of Troubleshooting.
* Involved in **AWS EC2**, **VPC**, **S3**, **SQS**, **SNS** based automation through Terraform, Ansible, Python, and Bash Scripts. Adopted new features as they were released by Amazon, including ELB & EBS.
* Involved in configuring **AWS S3** versioning, lifecycle policies, backup files and archive files in the glacier.
* Written Templates for **AWS** infrastructure as a code using Terraform and CloudFormation to build staging and production environments.
* Worked on **Azure** Fabric, Micro services & Docker Containers in **Azure**. Ability to create scripts using Azure PowerShell during automation and built-in process.
* Used cloud providers and API’s for Amazon (AWS) with Microsoft Azure and expertise to orchestrate the jobs to and from Azure Automation.
* Hands-on **AZURE**, Migration of all servers from on-premises to Kubernetes containers, writing the scripts in Shell Scripts for managing various enterprise applications.
* Worked on middleware services JDBC, SSL certificates in **JBOSS**.
* Installed, configured, and maintained web servers like **JBOSS**, **Apache** Web Server.
* Coordinate/assist developers with establishing and applying appropriate branching, Labelling /naming conventions using **GIT** source control.
* Designing and implementing container orchestration systems with Docker Swarm and Kubernetes.
* Worked on Docker hub, creating Docker images and handling multiple images primarily for middleware installations and domain configurations.
* Worked on Docker container snapshots, attaching to a running container, removing images, managing directory structures, and managing containers.

**Environment:** GIT, Jenkins, JBOSS, AWS, Azure, Shell script, Terraform, Maven, Docker, Kubernetes, Apache Tomcat, New Relic, Splunk, Jira, Confluence**.**

**Client: SunTrust Bank SEP 2017 – APR 2018**

**Systems Administrator**

**Responsibilities**

* Responsible for Installation, Configuration and Administration of WebSphere Process Server v6.2 and WebSphere Application Server v7.0
* Installed and configured clustered 64bit-silent WebSphere Process Server v6.2.0.3 successfully on Red Hat Linux.
* Installed and Configured IHS 6.1 and ran multiple instance of IHS for Log Viewer and Application Requests
* Using Build Forge 6.1 (Automation tool from IBM) involved in creating the WebSphere Process Server Cluster (Golden topology), ME Cluster, and CEI Cluster and Application cluster.
* Configuring WebSphere resources like J2C, JMS, JDBC, Resource adapters, mail providers and shared libraries.
* Developed Jython scripts on performing the configuration’s like MQ Queues and Queues Connection Factories, JVM Custom Properties
* Tuned Activation specifications, JDBC Connection Factory’s for long running BPEL’s in WebSphere Process Server clustered environment.
* Configured of BPE container and Task Container using JACL Scripts in WebSphere Process Server clustered environment.
* Configured Business Rules Manager, Relationship Manager and Task manager in WebSphere Process Server clustered environment.
* Configured Business Process Choreographer and Common Event Infrastructure in WebSphere Process Server clustered environment.
* Configured of Business Rules using Scripts in WebSphere Process Server clustered environment.
* Prepared BPC Task Exceptions using BPC Explorer in WebSphere Process Server clustered environment.
* Handled long running BPEL and Human Task instances by using BPC Explorer in WebSphere Process Server clustered environment.
* Using Tivoli Provisioning Manager (TPM) performance the maintenance operation’s as Installation of WPS and WAS and IHS, Also for Installing Fix packs, Cumulative Fixes and Patches on the WPS and WAS.
* Developed deployment scripts with support from IBM specialist for automating deployment of SOA applications on WebSphere Process Server and WebSphere Application Server environments.
* Configured message logging and error processing using mediation modules components in WPS.
* Responsible for migration of WPS instance to new multiple Golden Topology environments.
* Configured Monitoring agents on various Environments’ like ITCAM for WebSphere, CA Wily Introscope and HP Diagnostics.
* Involved in performance load testing for various applications. As part of the PLT, I was involved in Identifying Application bottle necks using Monitoring tools, Identifying System Bottleneck using NMON and Monitoring tools, Along with new recommendations for Connection Pool size and thread pool size , Analyzing heap dumps and Thread Dumps for any application related issue during PLT’s
* Extensive troubleshooting experience using ISA and Application relevant logs.
* Involved in Capacity Planning and Architectural decision on Security configuration and SSO.
* Worked in troubleshooting issues with prod and non-prod of WebSphere Process Server logs.
* Worked on SIB Explorer for identifying the queue depth and purging queue data in WebSphere Process Server default buses queues and customized MQ queues.

**HSBC Group, Hyderabad India SEP 2014– AUG 2015**

**Role: Java Developer**

**SYNOPSIS:** The Company planned to move all of its public web assets supporting 50 percent of customer traffic and internet banking workloads to AWS in the coming years. The organization also started its examination with AWS Lambda, machine learning, grid computing and data-analytics workloads as part of its digital-transformation journey.

**Responsibilities:**

* Actively participated in the complete Software development life cycle starting from design phase to the implementation phase. Involved in requirements gathering and designed high and low-level designs using UML.
* Developed PL/SQL procedures, Java and Backbone Js, JavaScript, JQuery code.
* Analysis Design and Development, Testing and Production Support.
* Developed Web Services for sending and getting data from different applications using SOAP messages, such as Loan Applications to transfer data from Branch Server to Head office Server, then used SAX and DOM XML parsers for data retrieval.
* Developed functional model, object model and dynamic model using UML.
* Extensively worked on generating complex reports.
* Developed code for various activities using MVC architecture.
* Developed client side screen using JSP, HTML and DHTML.
* Worked on development of Hibernate, including mapping files, configuration file and classes to interact with the database.
* Involved in injecting dependencies into code using spring core module concepts like IOC of Spring Framework
* Developed web service (which talks with web method) for uploading CSV (using web methods) files and validating and later inserting into the corresponding tables.

**Environment:** J2EE, MySQL, Spring, Hibernate, JSP, HTML, JavaScript, JQuery, XML (SAX and DOM), RAD, JUNIT, and JNDI.