## Harish Kumar B R Email ID: harishkumarbr8@gmail.com

**DevOps Engineer Mobile No: +**91-9482294815

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| **PROFESSIONAL SUMMARY** | |
| * Having around **3 years** of experience as a **DevOps Engineer** with exposure to Software Configuration Management, Build and Release Management, continuous Integration and Deployment. * Experience on Installation of tools like **GitHub, Jenkins, Maven, SonarQube, Nexus, Ansible, Docker, Kubernetes** and **Tomcat** in Linux environment. * Experience in Administration of source control management systems such as GitHub. * Expertise in **GitHub Branching strategy**. * Experienced in source control management concepts branching, tagging and maintaining the version across the environments using SCM tools like **GitHub** on Linux and windows platforms. * Good Experience in writing **Shell Scripts** to automate the several activities. * Extensively worked on **Jenkins** for continuous integration and for End to End automation for all build and deployments. * Extensive experience using **Maven** as build tools for building of deployable artifacts (jar, war & ear) from the source code. * Working Experience on GitHub, Git, Jenkins. Debugging issues if there is any failure in broken Jenkins build and maintaining Jenkins build Pipeline. * Creating new Build jobs, Plugins installation and management, setting up   **Master/slaves** using Jenkins.   * Expert in deploying the code in various servers like **Apache Tomcat**. * Good experience in containerizing applications with **Docker**. * Good work experience in **CI/CD Pipeline** work flow of **Docker**. * Extensive experience for writing **Docker Compose** File for Microservice Architecture. * Hands on experience in Container Orchestration or Management tool like **Docker swarm** & **Kubernetes**. * Amazon Web Services (knowledge in **AWS** services like EC2, S3, VPC, ELB, AMI, IAM, Auto scaling. * Launching Amazon EC2 Cloud Instances using Amazon Web Services (Ubuntu/RHEL) and Configuring launched instances with respect to specific applications. * Having experience on code review tools like **SonarQube**. * Primary responsibilities include Build and Deployment of the java applications onto different Environments like Dev, QA, pre-Prod and Prod. | |
| **TECHNICAL SUMMARY (TOOLS)** | |
| **Versioning Tools** | **GIT, GitHub.** |
| **CI Tools** | **Jenkins** |
| **Operating Systems** | **Windows, Linux (RHEL) and Ubuntu** |
| **Build Tools** | **Maven** |
| **Scripts** | **Shell Script** |
| **Cloud** | **AWS** |
| **App Servers** | **Apache Tomcat and WebLogic.** |
| **Configuration Management** | **Ansible** |
| **Code Quality Tool** | **SonarQube** |
| **Artifactory Repository** | **Nexus** |
| **DataBase Tool** | **SQL Developer** |
| **Containerization** | **Docker** |
| **Container Orchestration** | **Docker Swarm & Kubernetes** |

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| **PROFESSIONAL EXPERIENCE** |
| Working as DevOps Engineer for **TechMahindra Ltd**., Bangalore from January -2019 to till date.  Worked as a Application support Group in **TechMahindra Ltd**., Bangalore from March -2017 to January –2019 |

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| **EDUCATIONAL QUALIFICATIONS** |
| * Bachelors in Computer Science and Engineering from Malnad College of Engineering, Hassan with 8.06 CGPA. |

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| **PROJECT#2** |
| **Project Name** | **MICE Application** |
| **Client Name** | **BT(British Telecomm)** |
| **Role** | **DevOps / Configuration Management.** |
| **Duration** | **May 2018 to Till Date** |
| **Team Size** | **6** |
| **Tools** | **GitHub, Maven, Jenkins, RHEL, Tomcat, Shell, SonarQube, Nexus, Ansible, Docker, AWS.** |

**Description:**

The sale quote engine (SQE) fulfils of the products ivpn2,MX,connectoptimization,kcom the Lead to quote scenario of the Lead to cash journey. The business functionalities that are built in SQE to support the quotation journey include the Product selection, Need Capture, Product availability, technical availability, configuration, pricing, discount and tax, configuration, validation and bill of material generation. SQE facilitates a smooth and automated processing of a quotation and placing of orders. It involves customer’s confirmation to convert the drafted quote into an order and proceeds with the finalized order details.

**Responsibilities:**

* Jenkins continuous integration server installation and configuration for all GitHub Repositories.
* Automating the Build process using GitHub and Maven
* Used Maven for building the artifacts and also administered the Maven Build scripts
* Configured GitHub with Jenkins and scheduled jobs using Poll SCM option
* Automated application packaging and deployments.
* Automated the Build Process using Jenkins and handled complete Build and Release process including code, documentation and supporting testing team along with the server Administration.
* Managed Linux staging and testing environments.
* Established coding standards and enforced them through automated tools (SonarQube).
* Uploading the artifacts in Nexus repository.
* Educated team about continuous integration and automated testing practices and supported them throughout development.
* Configured Jenkins to implement nightly builds on daily basis and generated change log that includes changes happened from last 24 hours.
* Application/Web Server Log files analysis to troubleshoot application problems on application and web server side
* Analyze and resolve conflicts related to merging of source code for GitHub.
* Written Shell scripts for build automation and deployment.
* Defined branching and merging strategies.
* Manual installation and configuration of Apache Tomcat and Wild Fly Application Servers.
* Involved in automation of deployment and configuration process using Ansible.
* Wrote Ansible playbooks to manage configurations and automate installation process.
* Used Ansible for application automatic deployment and provisioning to different environments.
* Responsible for Dockerizing applications.
* Configuring the Docker containers and creating Docker files for different environments.
* Strong experience in writing docker files, docker compose files.
* Responsible for configuring docker private registries to maintain docker images.
* Responsible for creating & configuring docker volumes.
* Responsible for creating docker swarm cluster and deploying docker services in docker swarm cluster.
* Implemented CI/CD using Jenkins & docker swarm.
* Responsible for Dockerizing applications.
* Strong experience in writing docker files.
* Responsible for configuring docker private registries to maintain docker images.
* Responsible for creating Kubernetes manifest files like daemon sets, replica sets, deployments.
* Responsible for creating & configuring persistent volumes ,persistent volume claims.
* Responsible for Kuberentes administrations tasks like settingup StorageClasses,creating Roles,ClusterRole,RoleBindings..etc
* Strong experience in Kubernetes cluster setup and deploying applications in Kubernetes cluster.
* Implemented CI/CD using Jenkins ,docker & Kubernetes.
* Good Experience in AWS Cloud Servcies like Ec2,ELB,VPC,EBS,,S3,EFS,IAM,AutoScaling,ECR,EKS.
* Good Experience in creating VM's,networks,load balancers,storage services in AWS.
* Automate, deploy, handle, and maintain cloud-based AWS servcies.
* Responsible for create EKS kubernetes clusters and ECR registries.
* Responsible for taking back ups of ebs volumes.

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| **PROJECT#1** |
| **Project Name** | **Sales Quote Engine** |
| **Client Name** | **BT(British Telecomm)** |
| **Role** | **Middleware Admin/Support Engineer** |
| **Duration** | **Mar 2016 to April 2018** |
| **Team Size** | **11** |
| **Tools** | **WebLogic, Jenkins, Putty, Apache, STM(VTM), Shell, Nexus, SQL Developer, Nagios** |

**Description:**

The sale quote engine (SQE) fulfils of the products ivpn2,MX,connectoptimization,kcom the Lead to quote scenario of the Lead to cash journey. The business functionalities that are built in SQE to support the quotation journey include the Product selection, Need Capture, Product availability, technical availability, configuration, pricing, discount and tax, configuration, validation and bill of material generation. SQE facilitates a smooth and automated processing of a quotation and placing of orders. It involves customer’s confirmation to convert the drafted quote into an order and proceeds with the finalized order details.

**Responsibilities:**

* Good Experience in middleware administration using WebLogic Application Server which includes configuring, deploying, maintaining, troubleshooting and implementation of various web applications which run on UNIX platforms.
* Good knowledge in Deploying EAR, WAR on non- clustered environment and clustered environment in WebLogic Server.
* Experience in configuring VTM,(Virtual Server,pools)
* Involved in configuration and maintenance of WebLogic domains, admin & managed Servers, clusters, machines and node managers.
* Involved in creation of Data Sources, Connection pools for JDBC connections and JMS connections of WebLogic Server.
* Involved in Configuration of JMS connection factories, queues and topics.
* Monitoring WebLogic Server health and make sure the server should be up and running
* Strong experience in troubleshooting and performing root cause analysis for application issues and supporting customers.
* Responsible for collecting all Thread dumps for troubleshooting issues
* Excellent Analytical and Problem Solving skills, ability to learn fast and work well under pressure coupled with good communication and interpersonal Skills.
* Involved in bridge calls with other team members and clients for resolving the high priority issues in the Production Environment
* E2E order flow management knowledge in Telecom Domain.
* Extensive working experience in Quote generation, Order progression
* Have excellent experience in Client Interaction and ability to work effectively with all levels of personnel and other groups.
* Highly dedicated to produce professional work with highest quality and creativity.
* Possess excellent analytical, documentation and communication skills, interpersonal skills & reasoning skills.
* Involved in 24/7 support for Production environments.
* Have knowledge on Release Management Cycle, Change Management and Problem Record Management.

**Declaration:**

I hereby declare that the information above is true to the best of my knowledge.

**(Harish Kumar B R)**