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

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

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| **PROFESSIONAL SUMMARY** | |
| * Having around 5 years of IT experience, including 3 years 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. * 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 knowledge 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. * Good 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. * Knowledge on SQL Databases. | |
| **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.** |
| **Web Servers** | **Apache HTTP, Nginx** |
| **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 May -2019 to till date.  Worked as a Application support Group in **TechMahindra Ltd**., Bangalore from March -2017 to April –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 2019 to Till Date** |
| **Team Size** | **6** |
| **Tools** | **GitHub, Maven, Jenkins, RHEL, Tomcat, Shell, SonarQube, Nexus, Ansible, Docker, AWS ,**  **Kubernetes .** |

**Description:**

The sale quote engine (SQE) fulfils of the products ivpn2,MX,connect optimization,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.

**Roles and Responsibilities:**

* Jenkins continuous integration server installation and configuration for all GitHub Repositories.
* 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 and Prod environments.
* Established coding standards and enforced them through automated tools (SonarQube).
* Uploading the artifacts in Nexus repository.
* Application/Web Server Log files analysis to troubleshoot application problems on application and web server side
* Written Shell scripts for build automation and deployment.
* Responsible for Dockerizing Applications.
* Configuring the Docker containers and creating Docker files for different environments.
* Experience in writing DockerFile.
* Responsible for creating Kubernetes manifest files like DaemonSets, ReplicaSets, Deployments.
* Responsible for creating & configuring persistent volumes ,persistent volume claims.
* Strong experience in Kubernetes cluster setup and deploying applications in Kubernetes cluster.
* Implemented CI/CD using Jenkins , Docker & Kubernetes.
* Good Experience in AWS Cloud Services like EC2, ELB, VPC, EBS, S3, IAM , AutoScaling, ECR, EKS.
* Creating VPC and Load balancers as per client requirement.
* Configured Ansible control machine and written Ansible playbooks with Ansible roles for reusability and Scalability. Used file module in Ansible playbook to copy and remove files on EC2 instances.

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| **PROJECT#1** |
| **Project Name** | **Sales Quote Engine** |
| **Client Name** | **BT(British Telecomm)** |
| **Role** | **Middleware Admin/Support Engineer** |
| **Duration** | **Mar 2017 to April 2019** |
| **Team Size** | **11** |
| **Tools** | **WebLogic, Jenkins, Putty, Apache, STM(VTM), Shell, Nexus, SQL Developer, Nagios** |

**Description:**

Sales Quote Engine (SQE) is a web based application built on open source and java technologies. SQE will be invoked by the sales user from the OS application. The SQE fulfils 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. This tool is one of the major tools for BT.

**Roles and Responsibilities:**

* Software Configuration management (Build and continuous Integration using Maven, Jenkins, Git).
* Creating branches and tags on version repository and provided branches access permission to dev team. Responsible for tagging and maintain code on version control GitHub.
* Creating JAR/WAR files using build tool using Maven. Responsible for taking the source code and compiling using Maven.
* Code quality purposely using code quality analyzer tool like SonarQube.
* Perform Build activities using Maven and Jenkins tool.
* Automate the build Process Using Jenkins jobs.
* Planning and documentation of the requirements.
* Deploying the Jar, War, Ear files in WebLogic.
* Taking weekly back-ups by using thin backup plugin in Jenkins.
* Design and create automated Build and Deployment process.
* Handling Tickets raised through JIRA and P1,P2 tickets in NG AUTO FIX tool
* Change Management and Problem Record Management
* Handling deployment activities in Production environment and involved in troubleshooting in case of any issues faced in the deployment process.

**Certifications and Achievements:**

* Client appreciation for delivering the product on time and meeting deadlines (PAT ON THE BACK and BRAVO award).

**Declaration:**

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

**(Harish Kumar B R)**