



**Vemula Veeresh Kumar**

Senior Engineer – Cloud Services and Software

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| **Experience Summary** | | | | | | | |
| * Having 5.5 years of IT experience includes: Around 5 years of experience as a DevOps Engineer with exposure to Software Configuration Management, Build and Release Management, Continuous Integration and Deployment, Agile Methodologies, Scrum Framework & Open-source tools/frameworks. on various domains like Pharma, Banking and Retail. * Hands on experience with Deployment and Orchestration technologies such as Docker and Kubernetes. * Strong experience on creating the Kubernetes deployment Manifests on various deployment approaches like Blue green and Canary deployment approach. * Implemented Readiness Probe and Liveness Probe for the Kubernetes deployments. * Used Horizontal pod Auto Scaler (HPA) for autoscaling the pods. * Experienced on creating the Kubernetes Control Plane (Master) worker(node) by using Kubeadm and container network interface (CNI) for kube-dns used to wave pod network. * Good knowledge on various Kubernetes objects like Pod, NameSpace, Replication Controller (RC), Replication Set (RS), Deployment Controller, Stateful Sets, Daemon Sets, Ingress, Service, Volumes, ConfigMaps, Secrets. * Good Experience in creating Docker Images, base/golden image and running Docker Containers. * Install Docker on Ubuntu machine, Created Docker File to create containers and integrate Docker with Jenkins and Github to build Docker Containers and to achieve Continuous Delivery goal on high scale environment. * Working experience on Git, GitHub. * Created a single pipeline and deploy the application into various environments (AKS, on-prem Kubernetes). * Created a declarative pipeline to integrate GIT, Maven, Sonarqube, Nexus tools to download the latest package from Maven and deploy to multiple Tomcat servers using Azure Devops. * Experienced on Branching, Merging, and Tagging concepts in Version Control tools like GIT, GitHub. * Strong experience on build tools and packaging the source code using Maven. * Scheduled builds overnight to support development needs using CI/CD, Git and Maven. * Having Good knowledge on Azure services i.e., Storage accounts, VNet, VNet-Peering, Autoscaling, VM, Subnets, Application Gateway, ACR, AKS. * Working experience on Linux operating systems (Redhat & Ubuntu) * Familiar with Software Development Life Cycle (SDLC) processes, Used Agile Methodologies, Scrum Frameworks for Project Planning and Execution. | | | | | | | |
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| **Skills Summary** | | | | | | | |
| **Domain** | | | Devops Engineer across Banking domain and Pharma | | | | |
| **Programming Languages** | | | Shell Scripting, Powershell | | | | |
| **Operating System / ERP Version** | | | Linux (Ubuntu, RedHat,), Windows | | | | |
| **Tools** | | | |  |  | | --- | --- | | Version Control | Git/GitHub | | Collaboration | Teams, Azure Boards | | Build Tools | Maven, Gradle | | CI/CD Tools | Azure Devops | | Static Code Analysis | SonarCloud | | Containerization | Docker/ Docker Hub | | Orchestration | Kubernetes, AKS | | IaaC | ARM Templates | | Monitoring | Azure Monitor, Prometheus/Graphana, Splunk. | | Databases | Mongo | | Cloud Platforms | Microsoft Azure | | Azure Services | VNet, Subnet, VM, VMSS, App Gateway, ACR, AKS. | | Artifact Repository | Azure Artifacts | | | | | |
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| **Professional Certifications/ Trainings** | | | | | | | |
| Microsoft Azure Trained | | | | | | | |
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| **Work Experience** | | | | | | | |
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| **Project 1** | | | | | | | |
| **Project Name** | Mashreq (NPSS, IAM, EEC) | | | **Team Size** | | 4 | |
| **Start Date** | Jan 2022 | | | **End Date** | | Jan 2023 | |
| **Role & Contribution** | Created CICD Pipeline using Azure Devops to automate the deployments.  Dockerized the micro services and orchestrated the same on Kubernetes cluster.  Design and Implemented Services in Kubernetes.  Involved in development, deployment, log monitoring, and container monitoring.  Setting up SCM/Build tools for Developers. Helping to resolve all SCM/Build issues like Merge conflicts, compilation errors, missing dependencies, Branching/Merging//Tagging.  Developed and implemented software Release Management strategies for various applications according to the agile process  Optimized Volumes and Azure VM instances.  Used Maven as build tool on Java Projects for the development of build artifacts on the source code.  Performed and Deployed builds for various environments like Certified, Staging, QA, Integration, UAT, and Production Environments.  Built and Deployed Java/J2EE to a web application server in an Agile continuous integration environment and automated the whole process. | | | | | | |
| **Technology**  **&Tools** | Linux, GIT, Github, Maven, Sonar Cloud, ACR, Docker, AKS, Kubernetes, Azure CI/CD Pipelines. | | | | | | |
| |  | | --- | | **Other Experience** | | **Project 2** | | | | | | | | | | |
| **Project Name** | | Csqaure (SFA 360, Abbott, Live connect) | | | **Team Size** | | 10 |
| **Start Date** | | Dec 2020 | | | **End Date** | | Jan 2022 |
| **Role & Contribution** | | Hands-on experience in creating VM, ACR and AKS deployments using portal and from command line scripts  Creating application Gateway with ssl certificates to access deployed applications  Creating inbound and outbound rules for VMs  Create storage accounts to access from application side. Creating CI/CD pipelines for Automating Build and deployments.  Creating property files according to applications  Creating scripts for automate start and stopping the aks, vms to save costs  Adding addition disks to Azure VM upon receiving request.  Provide access of Azure subscription to users upon approvals from higher management.  Working with the application Owner for the Data assessment and Getting Approvals.  Creating and working on the Change Request approval from the Stakeholders.  Deploy and manage the Azure Services like Virtual Machines, Storage, Virtual Networks.  Providing solutions to the Customers based on the requirements/service requests.  Supporting on-call for production Deployment and Back-Out activities during weekends. | | | | | |
| **Technology & Tools** | | Linux, GIT, Github, Maven, Docker, Kubernetes, Microsoft Azure, Azure CI/CD Pipelines. | | | | | |
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| **Project Name** | | Concise (RFQ) | | | **Team Size** | | 4 |
| **Start Date** | | June 2017 | | | **End Date** | | Dec 2020 |
| **Role & Contribution** | | Hands-on experience in VM deployments using portal.  Responsible for creating Network Security Groups and add inbound rules for various ports like RDP 3389, PS remoting 5986, Custom ports 8081,9200 to allow access only from private network address prefix to provide utmost security.  Create storage accounts for dev & QA teams for their application development and testing purpose.  Adding addition disks to Azure VM upon receiving request.  Working with the application Owner for the Data assessment and Getting Approvals.  Creating and working on the Change Request approval from the Stakeholders. | | | | | |
| **Technology & Tools** | | Linux, GIT, Github, Docker, Kubernetes, Azure CI/CD Pipelines. | | | | | |

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| **Educational Qualification** | |
| **Education & Credentials** | 2013 - 2017 Bachelor of Technology,  Krishna Chaithanya Institute of Technology and Sciences, JNTU-Kakinada |