Cloud computing – In the simplest terms, cloud computing **means storing and accessing data and programs over the internet instead of your computer's hard drive**.

AWS(amazon web services) - AWS stands for Amazon Web Services. ... AWS for beginners **offers database storage options, computing power, content delivery, and networking among other functionalities to help organizations scale up**. It allows you to select your desired solutions while you pay for exactly the services you consume only.

Devops – development and operation team, this is allows the deploying coad to production faster and in an automated way and it helps to enable rapid deployment of products

Linux - Linux® is **an open source operating system (OS)**. An operating system is the software that directly manages a system's hardware and resources, like CPU, memory, and storage. The OS sits between applications and hardware and makes the connections between all of your software and the physical resources that do the work

Ec2(Elastic compute cloud) - EC2 is a cloud platform provided by Amazon that offers secure, and resizable compute capacity. Its purpose is to enable easy access and usability to developers for web-scale cloud computing, while allowing for total control of your compute resources**,**
IAM(Identity and Acces management) - AWS Identity and Access Management provides secure access and management of resources in a secure and compliant manner. By leveraging IAM, you can create and manage users and groups by allowing and denying their permissions for individual resources.
VPC (Virtual Private Cloud) - Amazon VPC enables you to set up a reasonably isolated section of the AWS Cloud where you can deploy AWS resources at scale in a virtual environment. VPC gives you total control over your environment, which includes the option to choose your own IP address range, creation of subsets, and arrangement of route tables and network access points**,**
S3 (Simple Storage Service) - Amazon S3, at its core, facilitates object storage, providing leading scalability, data availability, security, and performance. Businesses of vast sizes can leverage S3 for storage and protect large sums of data for various use cases, such as websites, applications, backup, and more.**,**
ELB -
RDS (Relational Database Services) - RDS is available on various database instances which are optimized for performance and memory, providing six familiar database engines including Amazon Aurora, PostgreSQL, MySQL, MariaDB, Oracle. database, and SQL server. By leveraging the AWS Database Migration Service, you can easily migrate or reproduce your existing databases to Amazon RDS**,**
Auto Scaling - The AWS Auto-scaling solution monitors your apps and automatically tunes capacity to sustain steady, predictable performance at the lowest possible price. Seamlessly configure application scaling abilities for various resources across multiple services almost instantly**,**
AWS Lambda - Lambda permits you to run code without owning or managing servers. Users only pay for the compute time consumed.
Operate code for nearly any application or backend utility without administration. Users just upload the code, and Lambda does the rest, which provides precise software scaling and extensive availability
Cloud Watch - CloudWatch on AWS is a monitoring and observability service designed for DevOps engineers, developers, site reliability engineers, and IT managers. In the CloudWatch console users can monitor applications, respond to performance changes system-wide, scale resources expediently, and view overall health in the form of logs, metrics, and events.

With CloudWatch, detect abnormal behaviour in your environments, set alerts, troubleshoot issues, take automated actions, and more.

VPC Peering - A VPC peering connection is **a networking connection between two VPCs that enables you to route traffic between them using private IP addresses**. VPC peering allows you to deploy cloud resources in a virtual network that you have defined.

ECS - Amazon Elastic Container Service (ECS) is a highly scalable, high performance container management service that supports Docker containers and allows you to easily run applications on a managed cluster of Amazon EC2 instances.
AWS ECS stands for AWS Elastic Container Service. It's a scalable container orchestration platform owned by AWS. It was designed to run, stop, and manage containers in a cluster. The containers themselves are defined here as part of *task definitions* and driven by ECS in the cloud

EKS - Amazon Elastic Container Service for Kubernetes (EKS) is a cloud-based container management service that natively integrates with Kubernetes to deploy applications.
EKS is a service that provides and manages a Kubernetes control plane on its own. You have no access to the master nodes on EKS since they're under a special AWS account. To run a Kubernetes workload, EKS establishes the control plane and Kubernetes API in your managed AWS infrastructure and you're good to go. At this point, you can deploy workloads using native K8s tools like kubectl, Kubernetes Dashboard, Helm, and Terraform.

GIT - Version Control System (VCS) is a software that helps software developers to work together and maintain a complete history of their work.
Step 1 – You modify a file from the working directory.
Step 2 – You add these files to the staging area

GitHub Source code management tools - GitHub is a **web-based version-control and collaboration platform for software developers**. ... GitHub facilitates social coding by providing a web interface to the Git code repository and management tools for collaboration. GitHub can be thought of as a serious social networking site for software developers

Maven - Maven is **a build automation tool used primarily for Java projects**. Maven can also be used to build and manage projects written in C#, Ruby, Scala, and other languages. ... Maven addresses two aspects of building software: how software is built, and its dependencies.

Ansible - An ansible is **a category of fictional devices or technology capable of near-instantaneous or faster-than-light communication**. It can send and receive messages to and from a corresponding device over any distance or obstacle whatsoever with no delay, even between star systems Ansible is an **open source IT automation engine** that automates provisioning, configuration management, application deployment, orchestration, and many other IT processes

Jenkins Continuous Integration/ continuous delivery tools - Jenkins is **an open source automation server**. It helps automate the parts of software development related to building, testing, and deploying, facilitating continuous integration and continuous delivery. It is a server-based system that runs in servlet containers such as Apache Tomcat.**Deployed** Java applications/Web-services using **CI/CD** tools like **Jenkins** in standalone and clustered environments and **Jenkins (CI/CDtool)** to integrate the timely changes of the code, using

Master-Slave Configuration to build the jobs in **Jenkins.**

SonarQube integrating with **Jenkins** and **Git &** integrated unit test and quality analysis tool like **sonar qube -** SonarQube is **a Code Quality Assurance tool** that collects and analyzes source code, and provides reports for the code quality of your project. ... Sonarqube also ensures code reliability, Application security, and reduces technical debt by making your code base clean and maintainable

Shell Scripts to automate the deployments - A shell script is **a text file that contains a sequence of commands for a UNIX-based operating system**. ... The shell is the operating system's command-line interface (CLI) and interpreter for the set of commands that are used to communicate with the system

Waterfall&Agile based development environment participating in **SCRUM** sessions

Apache Tomcat installation/deployment of Enterprise Applications use **-** Apache Tomcat (called "Tomcat" for short) is **a free and open-source implementation of the Jakarta Servlet, Jakarta Expression Language, and WebSocket technologies**. Tomcat provides a "pure Java" HTTP web server environment in which Java code can run

Jfrog Artifactory for backing up of files and repository managers of **maven** builds - JFrog Artifactory is **a universal DevOps solution providing end-to-end automation and management of binaries and artifacts through** the application delivery process that improves productivity across your development ecosystem

DockerContainers and **Consoles** for managing the application life cycle - Docker is **an open source software platform to create, deploy and manage virtualized application containers on a common operating system** (OS), with an ecosystem of allied tools. ... was formed to support a commercial edition of container management software and be the principal sponsor of an open source version and A Docker container is **an open source software development platform**. Its main benefit is to package applications in containers, allowing them to be portable to any system running a Linux or Windows operating system (OS). A Windows machine can run Linux containers by using a virtual machine (VM)

Kubernetes in using container orchestration tool using **AWS Services ECS and EKS. -** Kubernetes is a **portable, extensible, open-source platform for managing containerized workloads and services**, that facilitates both declarative configuration and automation. It has a large, rapidly growing ecosystem. ... The name Kubernetes originates from Greek, meaning helmsman or pilot
A Kubernetes cluster is **a set of nodes that run containerized applications**. Containerizing applications packages an app with its dependences and some necessary services. ... Kubernetes clusters allow containers to run across multiple machines and environments: virtual, physical, cloud-based, and on-premises.
While ECS is a container orchestration service, EKS is **a Kubernetes managed service**. ECS is a scalable container orchestration platform that allows users to run, stop, and manage containers in a cluster. ... Many companies across various industries use Amazon EKS to run their Kubernetes clusters
Used **Kubernetes** to deploy the application to different environments like Stage & PROD,

JIRA ticketing tools **-** Jira is a **software application used for issue tracking and project management**. The tool, developed by the Australian software company Atlassian, has become widely used by agile development teams to track bugs, stories, epics, and other tasks

Using tools like **Git** for version controlling and **Jenkins** as CI/CD to connect with AWS through pipelines and deploying the API's using helm process

Have experience on writing customized docker files to push the image to **Jfrog** Artifactory and to **AWS Container Registry -** I am happy to announce that Amazon EC2 Container Registry (ECR) is now generally available! Amazon ECR is a fully-managed Docker container registry that makes **it easy for developers to store, manage, and deploy Docker container images**. ... Amazon ECR was designed to meet all of these needs and more

Have configured Kubernetes cluster in AWS and used to deploy the APIs to different environments using **Helm Charts -** Helm Charts are **simply Kubernetes YAML manifests combined into a single package that can be advertised to your Kubernetes clusters**. Once packaged, installing a Helm Chart into your cluster is as easy as running a single helm install, which really simplifies the deployment of containerized applications.

Groovy Scripting - Groovy is a **scripting language with Java-like syntax for the Java platform**. The Groovy scripting language simplifies the authoring of code by employing dot-separated notation, yet still supporting syntax to manipulate collections, Strings, and JavaBeans

Technical Skills:

Cloud Technologies	AWS
Version Control Tools	GIT
Build Tools	Maven
Configuration Management Tools	Ansible
CI/CD Tools	Jenkins
Code Quality Tools	SonarQube
Container	Docker
Container Orchestration Tool	Kubernetes
Ticketing Tools	Jira
Artifact Management	Jfrog
Web/App Servers	Apache Tomcat
Scripting Languages	Groovy Scripting
Operating Systems	Windows

APIs (Applications programming interface) – This APIs works like messenger type send the date one place to another place

Enum Informatics is software Development Company Established in December of 2010, based in Bangalore. The center rule of the organization is to give answers for true business issue with

configuration considering. Conveying pertinent specialized models and advertising approaches, We've served clients with various market nearness, scale and tasks (from beginning time new companies to huge enterprises)

Services

- Creative & UX Design
- Web Development
- Mobile App Development
- Business Strategy
- Enterprise Solutions
- Digital Marketing
- Internet Of Things
- Data Analytics/
  Business Intelligence

Clints are –

Brigade group - The Brigade Group is one of India's leading property developers

XSILICA - Xsilica Software Solutions specializes in providing innovative business solutions for various applications like design, development, marketing & support to meet the critical requirements of businesses for clients in IT Industries.,

ineoQuest - IneoQuest provides the world's leading media companies and service providers the critical insight needed to keep viewers engaged on any device, across any network

WALTZ - At Waltz & Sons Propane(cooking gas), we offer much more than just your next propane delivery. We offer the power of propane to fuel your life!

ಎನಮ್ ಇನ್ಫರ್ಮ್ಯಾಟಿಕ್ಸ್ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್ #726, Dr MC Modi Hospital Rd, West of Chord Road 2nd Stage, West of Chord Road, Stage 2, Rajajinagar, Bangalore, Karnataka 560010
080 68970222,

Project# 1:

Project Name: ValleyMoni

Role: DevOps Engineer

Duration: Oct 2019 totill date

Environment:Git, GitHub,Maven,Jenkins,Jfrog,AWS Container Registry,AKS,Helm

Project Description:
ValleyMoni is an ERP based application used to maintain organization infrastructure. This application used to keep track of internal business activities over different branches of**"Boyne Valley Group".**
It is an internal application used by "Boyne Valley Group" to know about the business status.

- Currently working on migration project, migrating **APIs** from on-premises to **AWS Cloud**
- Using tools like **Git** for version controlling and **Jenkins** as **CI/CD** to connect with AWS through pipelines and deploying the API's using helm process
- Have experience on writing customized **docker files** to push the image to Jfrog Artifactory and to AWS Container Registry
- Have configured **Kubernetes cluster** in AWS and used to deploy the APIs to different environments using**Helm Charts**
- Have Created Jenkins for achieving **CI/CD** process,have integrated **git, maven**,**jfrog** and connected to AWS through pipelines using groovy script to deploy the API's to different environments using helm.

Project# 2:

Project Name: IKEA

Role: DevOps/Cloud Engineer

Duration: August 2018to Sep'2019

Environment:AWS, Git, Jenkins, Ansible,Maven, Nexus, Jira, Docker, Kubernetes, Shell Scripting,SonarQube, Apache Tomcat.

Project Description:
CWTCALC is an application for operational reporting which you will experience as an easy, effective and flexible way to produce reports that you need. CWTCALC is used to produce reports that derive from application database. CWTCALC makes it possible to export the data to MS Excel, MS Access, HTML and the intranet and is to be used as an analytical tool for investigation and in-depth study of figures regarding Sales and store information.

- ✓ As a team member my responsibility was to Analysis, implementation of applications and support for new implementations.
- ✓ Incident management and problem management, provide timely updates, troubleshooting production issues, vendor engagement.
- ✓ Managed organizational standards by maintaining the source code in Git.
- ✓ Manage the daily workload based on priorities and Maintain SLA's to provide quality services to end users.
- ✓ Install Plug-ins on need basis in Jenkins.
- ✓ Provides support to customer/user inquiries or concerns regarding our products or services.
- ✓ Coordinating with a team of 20 people and responsible for the implementation of project.

- ✔ Handling and resolving Critical, High, Medium issues on call.
- ✔ Creating Reports for Problem, Incident along with the Solution document, Problem Management

  and Change Management.
- ✔ Used Docker Container for running different individual services & optimizing the infrastructure cost.
- ✔ Automating the manual process if any by writing the groovy Scripts.

Good knowledge on Kubernetes deployments with creation of pod services