

# Cloud & DevOps Engineer

Ravichandra Vajinepalli

Mobile: +91- 7032099329

Email: ravichandra.devops2025@gmail.com

## Professional Summary:

- Having **7 Years** of work experience as an **Aws & DevOps/ Build & Release Engineer**.
- Experience in working on **AWS** and its services like **AWS IAM, VPC, EC2, ECS, EBS, RDS, S3, ELB, Auto Scaling, Route 53, Cloud Watch, Cloud Trail, SQS**, EBS Volumes and Snapshots, AMI's, Security Groups, Elastic IP's.
- Administration/Maintenance experience of source control management systems, such as **BITBUCKET AND GITHUB**.
- Deploying the **JAR/ WAR files** in Tomcat app server and Verify Deployment logs to check for successful deployments.
- Strong working knowledge in developing Restful web services and Microservices using Golang Implement REST services by **Golang** with microservices architecture
- Managing Servers and Providing IT Support Worked as **System Administrator** and plays a significant role in fulfilling needs of ever-expanding organization by providing **scalable, robust, and securable IT infrastructure**.
- Experience in creating **SPLUNK** dashboards, to analyse and correlate events through **SPLUNK** search strings and operational strings.
- **Understanding business thresholds and set up alerts and monitoring using New Relic and other tools.**
- Remote **support** using **Remote Desktop, Remote Assistance**.
- Installation and management of **network printers, scanners, and monitoring of printer usage**.
- Experienced with principles and best practices of Software Configuration Management (**SCM**) in **Agile, Waterfall** methodologies.
- Hands-on experience in using **Maven** for Build Process.
- Involved in Configuring **Jfrog Repository** for Managing Artifacts.
- Good working knowledge on CI tools like Jenkins and Continuous Code Quality tools like **SonarQube**.
- Involved in Configuring Different jobs like FreeStyle and Pipeline Projects and Multi Branch Project.
- Implemented **CI/CD Process** with **Jenkins** to have automation of Continuous Integration, Continuous Delivery and Continuous Deployment.
- Hands on experience on managing microServices using **Docker** and **Kubernetes**.
- Experience in using open Docker images and building custom **Docker images** based on application requirements.
- Managing containers using Orchestration tools like Kubernetes.
- Good Understanding of **Docker** file and its components, written some of the Docker files for Developing Images.
- Good experience of Writing **Compose files** to deploy multiple containers.
- Good understanding of **Kubernetes manager** components like **API Server, etcd, Scheduler, Kubernetes Controller**
- Managing and Monitoring all Antivirus Server and clients to ensure all systems are updated with latest Virus Signatures.

## Work Experience:

- Worked as a **Technology Lead** for **Synechron Technologies** from **July 2023 to Jan 2025**.
- Worked as a **Senior Associate Consultant** for **Infosys** from **Apr 2022 to Jan 2023**.
- Worked as a **DevOps Engineer** for **Wipro** from **Aug 2017 to Apr 2022**.

## Education Qualification:

- Completed my **B TECH** from **Sree Kavitha Engg college, Khammam- 2015**.

## Technical Skills:

<b>Configuration Management</b>	ANSIBLE
<b>Release Management Tools</b>	Jenkins
<b>Containerization</b>	Docker, Kubernetes
<b>SCM</b>	GIT, BITBUCKET
<b>Build Tools</b>	Maven, Jenkins
<b>Web/App Servers</b>	Tomcat, NGINX, APACHE
<b>Monitoring Tools</b>	AppDynamics, New Relic, Splunk
<b>Databases</b>	SQL Server, PostgreSQL
<b>Operating Systems</b>	Windows, Linux.

## Projects Summary:

### Project:4

Project Title : **LIGHTHOUSE Application Migration to AWS Cloud**

Client : Wells Fargo & Company

Role : Cloud Architect/DevOps Engineer

Environment : AWS, Jenkins, Terraform, Docker, Kubernetes, Python, CloudWatch, Lambda, S3, EC2, GitHub, CloudFormation

## Roles & Responsibilities:

- **Migration Expertise:** Led the migration of critical applications from on-premises to AWS Cloud, ensuring high availability, scalability, and cost optimization.
- **CI/CD Pipelines:** Designed and implemented automated CI/CD pipelines using Jenkins and GitHub Actions, significantly reducing deployment time and improving code integration efficiency.
- **Infrastructure as Code (IaC):** Deployed AWS resources using Terraform and CloudFormation for consistent and version-controlled infrastructure management.
- **Containerization:** Migrated legacy applications to containerized environments using Docker and

Kubernetes, ensuring smooth runtime configurations.

- Monitoring & Logging: Integrated AWS CloudWatch, CloudTrail, and Lambda to provide robust application monitoring, logging, and automated alerts for improved system performance.
- AWS Services: Configured and managed AWS services including S3, EC2, RDS, and IAM policies to meet application and security requirements.
- Security Compliance: Implemented security best practices including automated backups, encryption, and IAM role-based access.

### **Project:3**

Project Title : **Insurance Australia Group**

Client : IAG, Sydney.

Role : DevOps Engineer

Environment : AWS, Jenkins, Kubernetes, Docker, ANSIBLE, Maven, Jenkins, GIT Tomcat, Golang  
Application Server 9.2, AppDynamics, Bitbucket Maven, Java, PostgreSQL, Apache,  
Nginx, Linux, JIRA, Putty.

### **Roles & Responsibilities:**

- Installing and configuring GIT, Jenkins, and Deployment automation.
- Maintaining the source code in GITHUB for various applications.
- Created the Branching Strategy for the parallel development.
- Creating Docker files to build the custom Docker images.
- Implemented CI/CD using Jenkins, Docker & Kubernetes.
- Issue identification data analysis and security analysis through New Relic
- Automating the Build process by writing different scripts
- To configure and maintain a codebase to support the build and deployment of code on servers.
- Administered merge, build and deployment of the codes to all the environments.
- Develop and enhance current tools to suit ongoing need to support the build and configuration of releases of all product teams.
- Developed new RESTful API services that work as a middleware between our application and third-party APIs that we will use using Golang.
- Using GO, developed a microservice for reading large volumes of data(millions) from PostgreSQL database.
- Experience writing data APIs and multi-server applications to meet product needs using Golang.
- Experience in writing the HTTP RESTful Web services and SOAP API in Golang
- Involved in implementation of procedures for gathering the requirements from clients for solution demonstrations.
- Downloaded/installed Docker images from Docker hub using Docker pull down Professional summary for Docker.
- Responsible for creating Kubernetes manifest files like daemon sets, replica sets, deployments.
- Experience in Kubernetes cluster setup and deploying applications in Kubernetes cluster.
- Developing the utility scripts to effectively reduce the time and manual effort.
- Provide pre commit and post commit hooks for GIT.
- Responsible for setting up the environment for new developers on their machines.
- Perform smoke/sanity tests for the applications deployed and troubleshoot the application for the issues that arise as part of the smoke test process.

- If a newly on-boarding project comes, we are only taking care of the entire end to end process and installing all the DevOps tools from scratch and setting up the DevOps environment.
- Mainly we have installed these DevOps tools in Linux Operating System, So I am very good at Linux commands and have written some shell scripts to automate daily jobs like checking the health of servers and taking backup of Jenkins.
- SonarQube Integration for code Quality check.
- Analysing application logs to determine the possible cause of issues and reporting errors directly to the Dev team.
- Scheduled various regular and periodic tasks by using crontab.

## **Project:2**

Project Title : **ENM (MTG)**

Client : **Ericsson, Ireland**

Role : DevOps Engineer

Environment : AWS, Jenkins, Kubernetes, ANSIBLE, Docker, Tomcat Application Server 10.3, Maven, Jenkins, GIT, JDK1.6, NewRelic, Oracle 11g, Apache Webserver, Linux, JIRA, SSH.

## **Roles & Responsibilities:**

- Responsible for managing source code repository GitHub, creating Tags, Branches, and other Release Activities.
- Worked on Installation and Configuration of Continuous Integration Tools Jenkins and Trouble-shooting the Build and Deploy issues.
- Installing and updating the Jenkins plug-ins to achieve the CI/CD.
- Creating CI/CD pipeline for automated builds.
- Worked on container networking and standard Infrastructure maintenance tasks on Docker and Kubernetes platform.
- Worked with Kubernetes clustering, configuration, Architecture, and services.
- Configuring the Docker containers and creating Docker files for different environments.
- Involved for configuring Hooks and Triggers using GitHub hooks and services.
- Worked on Kubernetes to orchestrate the deployment, managing and scaling of docker containers.
- Implemented a Continuous Delivery pipeline with GitHub, Jenkins, Nexus, Maven using various Plugins.
- Implemented AWS solutions using EC2, S3, ELB, Auto Scaling groups, VPC, Cloud Watch.
- Created monitors, alarms, and notifications for EC2 hosts using CloudWatch.
- Used Amazon IAM to grant fine-grained access to AWS resources to users. Also, managed roles and permissions of users to AWS accounts through IAM.
- Configuring the Docker containers and creating Docker files for different environments.
- Deployed and monitored scalable infrastructure on Amazon web services (AWS) & configuration management.
- Launching and configuring Amazon EC2(AWS) Cloud Servers using AMI's (Linux/Ubuntu) and configuring the servers for specified applications using Jenkins.
- Creating Jobs in Jenkins. Running the jobs as per build calendar, sending mails through Email Notifications Jenkins if the job fails.
- Experienced in propagating the code from one branch to another.
- Creating Tags and support branches and Manage code repositories (branching, labelling etc.).

- Worked with developers, QA and Product support teams to identify and resolve build problems.
- Performed SCM tasks, such as check-in, checkout, branching, tagging and merging code from development branches to main branch and main branch to development branches.

### **Project:1**

Project Title : **Zurich**

Client : **Zurich Insurance**

Role : **DevOps Engineer**

Environment : **Git, GitHub, Azure DevOps YAML Pipelines, MS-Build, ARM Template, PowerShell**

### **Roles & Responsibilities:**

- Experienced in creating classic build and release pipelines.
- Provisioned Virtual Machines over MTP request.
- Implementing Continuous Integration and Deployment (CI/CD) in Azure DevOps,
- Maintaining the repositories (includes creating, deleting).
- Creating Build Definitions and Release definitions using multiple tasks which includes, Nuget, MS Build, SonarQube Analysis.
- Troubleshooting Build failures and Release failures in multiple environments.
- Creating Work Items, Work Iteration Paths based on the Dev team requirement.
- Creating Azure Backup vault and protecting required VMs to take the VM level backups.