

Chetan Alatagi

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Objective

Seeking DevOps position where a background in the design, implementation and deliverance of Software and Infrastructure can be used within the IT industry to secure performance, latency and efficiency.

Professional Summary

- **3+ years** of Experience as a **DevOps Engineer** with exposure to Software Configuration Management, Build and Release Management, Continuous Integration and Deployment.
- Experience in DevOps Tools such as Version Control - Git, Build Tool - Maven, Web Application Server- TomCat, Artifactory Repository – Nexus, Continuous Integration Tool - Jenkins, Containerization Tool – **Docker**, Container Orchestration Tool - **Kubernetes (K8S)** along with Shell scripting and Linux.
- Good working experience on Linux and Windows Operating Systems.
- Good Experience in Writing **Shell Scripts** to automate the several activities.
- Expertise in supporting multiple projects during builds and release process.
- Experience on **Git and GitHub** - Creating branches, tagging, setting externals and providing access permissions to the developers over branches.
- Working knowledge of Branching & Merging code lines in Git and resolved all the Conflicts raised during Merges.
- Hands on Experience with **Maven Build Tool** to generate project **Build Artifacts** such as **war** and **ear** files from source code.
- Automate the build process using Continuous Integration Tool **Jenkins**.
- Creating new Build jobs, Plugins installation and management, setting up Master/Slaves using Jenkins.
- Experience in **Jenkins** to schedule a job as per the requirement, report monitoring and notification functionality to report success or failure.
- Creation of **Pipelines** in Jenkins.
- Good experience in deploying the build artifacts in **Tomcat Server**.
- Strong experience in Containerization Tool **Docker** - Creating custom images from a **Dockerfile**, pushing it onto Private Artifactory Repositories such as Nexus and ECR.
- Strong experience in Containerization Orchestration Tool **Kubernetes**.
- Creating pods by writing Kubernetes manifest files like daemon sets, replica sets, deployments.
- Good knowledge in Micro services which includes Docker and Kubernetes for Orchestrating the Docker containers from lower environments to production using Kubernetes.
- Having good knowledge in Kubernetes Cluster Setup.
- Having good knowledge in **Amazon Web Services (AWS)**, Creating **EC2** Instances and configuring all necessary services like **EBS, ELB, ECR, EKS** and **VPC**.
- Having good Knowledge on Ansible for Configuration Management.
- Familiar with Software Development Life Cycle (SDLC) process.
- Good knowledge on Methodologies like Agile and Waterfall model for project planning and execution.
- Experience in end to end building and Deploying and configuring process and implementation from local **QA** environment to **UAT** and **Production**.

- Ability to accept challenge, learn and grown in good profession manner.
- Successful in communicating with people at all levels and with other departments as needed to best Serve the customer.

Technical Skills

Continuous Integration Tools	Jenkins
Containerization Tool	Docker
Container Orchestration Tool	Kubernetes, Docker Swarm
Source Code Management Tools	Git, GitHub
Scripting	Shell Scripting
Build Tools	Maven
Web Server	Apache
Application Server	Tomcat
Artifactory Repository	Nexus
Source Code Quality Management Tool	SonarQube
Command Line Editors	vi, vim, Visual Studio Code
Cloud Environment	AWS
Operating Systems	Windows, Linux

Work Profile

Current Designation : DevOps Engineer
List of Major Technologies : Windows, Red Hat Linux, Shell Scripting, Docker, Kubernetes, Jenkins, Tomcat, Git, Maven, Nexus, SonarQube, AWS, Terraform Ansible.

Academic Credential

- Master of Technology (M-Tech) from SJCE Mysore.
- Bachelor of Engineering (B.E) from RYMEC, Bellary

Professional Experience**➤ DevOps Engineer**

Philips Electronics India Ltd, Bengaluru

(20th June 2018 – Present)

➤ Assistant Professor - Department of ECE

Vidya Samvardhak Mandal's S. R. K. Institute of Technology, Nipani [Belagavi]

(1st June 2013 – 31st May 2018)

Projects

Project#2

Project Name	Digital Health Management
Role	DevOps Engineer
Environment	Git, GitHub, Maven, Jenkins, Tomcat, Nexus, Docker, Kubernetes, AWS, Shell Scripting, Linux

Description:

Objective of this project was to handle company's business growth, to reduce the projected increase in application maintenance cost and to digitize the monolithic architecture-based system to meet the current digital world.

Roles and Responsibilities:

- Improving software delivery and faster feedback loops.
- Setting up the new Build environment for various applications in **Windows/Linux** environment.
- Managed to organizational standards by maintaining the source code in **Git** for various applications.
- Creating and maintaining the development and release branches on **Git**.
- Using **Maven** as a build tool, I could automate the process of building artifacts.
- Configured **Jenkins** Continuous Integration tool including installing setting the jobs/plans and setting up the tool for deployment.
- Implementing the CI/CD pipeline for code deployment on every commit by the developer.
- Involved in installing **Jenkins** on a **Linux** Machine. And creating a **Master** and **Slave** configuration to implement multiple parallel builds through a build.
- Used **AWS** services like **EC2, EBS, ELB** for building infrastructure.
- Participates in the design and implementation phases for new and existing products, with a focus on **AWS** technical knowledge for successful execution of the requirements.
- Help engineering teams implement new technologies in development for future production deployment.
- Actively monitor and administer the applications and hosting environment to increase efficiency, improve reliability, and minimize downtimes.
- **Measurement, optimization** and **tuning** of system performance and ensuring that systems will run reliably and are highly available in a **24/7** production environment.
- Used **Docker** for Containerizing the applications by writing Dockerfiles.
- Created an end-to end CI/CD pipeline with Jenkins, Docker, Kubernetes.
- Automating the manual process if any, by writing the **Shell scripts**.
- Involved in deployment of the application using **Tomcat**.
- Primary responsibilities include Build and Deployment of the Java Applications onto different Environments like **QA, UAT** and **Prod**.
- Production environment support activities which include major release or emergency hot fix deployments, scheduling and coordinating with client regarding Operational Job Cycles or any activities.

Project#1

Project Name	Site Crawler
Role	Build and Release Engineer
Environment	Git, GitHub, Maven, SonarQube, Jenkins, Nexus, Tomcat, Shell Scripting.

Description:

This project is aimed at building a web application for crawling the data from various websites. So that it is used to crawl the different websites automatically to get the details of laptops and desktops Configuration details and whatever the information we need dynamically. It will reduce the time to crawl different websites to check the data. By using this business will compare with the data with competitor and improves the business in the market.

Roles and Responsibilities:

- Administration of Git tools includes creating branches, tagging, access permissions and setting up hooks.
- Configured Jenkins Continuous Integration tool for project and setup Nightly Builds.
- Automated the code deployment process in each environment (Development, QA, Staging, Production).
- Configured a Continuous Integration process and interface with the operations team to ensure project artifacts are deployed automatically to various environments using Jenkins.
- Installation, Configuration and Administration of Jenkins in Linux build machines.
- Accomplished in tool automation using Shell scripting.
- Involved in deployment of the application using Tomcat.
- Performed Build and Deployment activities without any rework.
- Responsible for the Deployment on Linux for Dev/ QA, Staging, Productions environment.
- Created an end-to end CI/CD pipeline in Jenkins for automating the jobs.

DECLARATION

I hereby declare that the above mentioned information is correct up to my knowledge and I hear the responsibility for the correctness of the above mentioned particulars.

Date:

Yours's Faithfully

Place: Bangalore

(Chetan Alatagi)