

Anusha Kappala
Devops Engineer
Phone: 9701613290
Email: anushakappala1234@gmail.com

Objective:

To obtain a challenging career with a purpose to serve the organization to the best of my abilities and skills contributing to its growth and to constantly enhance my skills.

Skill Profile

- Having 5.5 years of professional IT experience.
- 3.5 years of experience with extensive knowledge in performing Manual Testing and knowledge on Automation.
- Well acquainted with the Software Development Life Cycle (SDLC) and testing life cycle (STLC).
- Basic knowledge on SQL.
- Experience in Functional testing.
- Expertise in GUI testing, Sanity, Re- testing, Regression testing, system testing and Good understanding in Descriptive programming.
- Experienced in preparing test cases, Executing Test Cases, Documenting the results etc.,
- Review of all bugs reported by Quality Team and participated in Defect prevention meeting.
- Executing the test cases, Posting the bugs, & tracking them to closure.
- Tracking the defects and reporting the defects by using the QC.
- Experience in debugging and fixed the technical issues.
- Worked closely with development team to resolve quality issues.
- Agile model of working.
- Expertise in preparation of Test Cases, generation of test reports by using the Test Management Tools using JIRA.
- Expertise in different types of Functional Testing like Regression / Functional/ System / Ad Hoc Testing etc.
- Extensively performed Manual Testing process to ensure the quality of the software.

Technical Skills:

Software Testing	: Manual Testing
Management Tool	: JIRA
Process Models	: Waterfall, Agile methodology
Languages	: SQL
Operating Systems	:Microsoft windows 98/2000/XP/7/Vista/2003 server/2008 server.

PROJECT#2

Client : Raytheon.
Role : QA Engineer
Tools Used : Selenium Web driver with TestNG.
Testing Approach : Manual and Automated.
Environment : JAVA, HTML, XML.
Methodology : Agile
Domain : Finance

Responsibilities:

- Involved in functional study of the Application.
- Involved in all testing related documentation.
- Involved in developing Test reports using Templates and Developed Bug report.
- Prepared Test Cases for business development.
- Worked on production and merged defects for every release.
- Involved in System Integration and Regression Testing.
- Preparation and maintains of Test Data.

PROJECT#1

Client : AmerisourceBergen
Role : QA Engineer
Defect Track Tool : JIRA
Testing Approach : Manual and automation
Role : Test Engineer
Methodology : Agile
Domain : Finance

Responsibilities:

- Analyzed requirement documentation, functional specification, design documentation and identified test scenarios.
- Created test plan, test strategy, test cases, scripts based on functional specification, prepared test data for testing.
- Writing test cases for new business scenarios and uploading the same in JIRA.
- Participating in daily standup meetings for project status update.
- Execute test cases on daily basis.
- Performed all types of manual testing including Functional, GUI Testing, Smoke, System, and Regression testing.
- Bug reporting, retesting and tracking through JIRA
- Interacting with the development team for issue clarification and bug fixes
- Send the status on Automation test cases to client on daily basis.

DevOps

- Having **2** years of Experience as a **Build and Release / DevOps** engineering and configuration management.
- Mainly focusing on Orchestration of AWS Cloud Infrastructure Services from Design, Implementation
- and Operation of systems that offer cost savings to the business. Continuous Integration & Deployment of applications using Git, Maven, Jenkins, Docker, Ansible, Nexus, Sonarqube & CI/CD pipelines.
- Knowledge on Current interests are Containers Kubernetes Orchestration, Concurrent and Distributed Systems, Cloud, Monitoring Systems & Log Analysis.
- Building/Maintaining Docker container clusters managed by Linux, Bash, GIT, Docker, on AWS (Amazon web services). Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
- Involved in development of test environment on Docker containers and configuring the Docker containers using Kubernetes.
- Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
- Created automated system to create VM's, storage accounts, Network Interfaces, etc. in Azure.
- Experienced in AWS Services such as EC2, VPC, IAM, S3 Bucket, Cloud Watch, SNS, focusing on EC2(Elastic Load balance, Auto-scaling, EBS).
- Expertise in supporting multiple projects during builds and release process.
- Good hands-on experience with version control tool like **GIT, GitHub**.
- Experience on **GIT**- Created branches, tagging, setting externals and providing access permissions to the developers over branches.
- Good working experience on **Linux and Windows** Operating Systems.
- Scripting in multiple languages on **LINUX** and **Windows** –Batch, **Shell Script**.
- Used Shell scripting in automating many modules.
- Hands on Experience with Build Tool **Maven** to generate project **Artifacts**.
- Hands on experience in automating build process using **Jenkins CI/CD** Tool.
- Good experience in deploying the build artifacts in **Tomcat** Server.
- Supporting scheduled builds using scripts and tools.
- **Troubleshoot** the Application related issues in production & non-production environments.
- Design, integration, deployment and administration of J2EE Application servers – Tomcat Application Server across **Windows** and **Linux** platforms.
- 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.
- Having good knowledge in Amazon EC2 technologies EC2, S3, EBS, Auto scaling, VPC monitoring and elastic load balancing.
- Participate in building the DevOps Platform using configuration management tools like Ansible.
- Used tools like Docker for deployment automation.
- Creating custom image from a Docker file.
- 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.
- Excellent Communication and Interpersonal Skills, Adaptable to New Technologies equipped with Quick Learning Ability to meet tight deadlines.

- Equally adapt at working in teams or independently.
- Committed to Delivering high Quality deliverables.
- Highlighted leadership qualities and demonstrated history of successful projects on schedule, while ensuring high customer satisfaction and a positive company image.

Technical Skills:

Configuration Management	: GIT and GitHub
Operating Systems	: Windows 10/2000/XP/7, Linux Ubuntu
Scripting	: Shell Scripting
Build Tools	: Maven
Web Server	: Apache
Application Server	: Apache Tomcat
Continuous Integration Tools	: Jenkins
Cloud Environment	: Amazon Web Services (AWS)
DevOps	: Docker, Ansible
Monitoring Tool	: Nagios and CloudWatch
Bug Tracking Tool	: Jira

Academic Qualification:

- M.Tech. in VLSI System design from Guru Nanak Institute Of Technology, Hyderabad, in the year Dec 2016.

Professional Experience

- Worked as a Software Test Engineer in IDC technologies from March 20th 2017 to September 7th 2020 .
- Working as DevOps Engineer at Marolix Technology Solutions Pvt.Ltd. from Aug 3rd 2021 to till Date.

PROJECT#2

Project Name	: Project Tracker Portal
Client	: Southern Water
Role	: DevOps Engineer
Environment	: Maven, GIT, Jenkins, Shell Scripting, Tomcat, Linux , AWS, Docker, Java, J2EE, Nexus, SonarQube, Kubernetes

Description:

Project Tracker Portal is a web enabled integrated HR system that supports all the core HR functions which is used by Southern Water onsite clients. Primary goal of this web application is to keep track of employee personal information, leaves & attendance information. The application features will be accessible by the user based on role base defined by the system. This System provides capabilities and features that are critical to the organization with a smart workflow approach ensure efficient and effective management of employees. The system is designed to make life easy for all types of users, with an integrated workflow to support all administrative processes and includes useful guides. Managers and supervisors can more effectively manage their subordinates.

Roles and Responsibilities:

- 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. Setting up the new Build Environment for various products in Linux Environment.
- Maintains and extends configuration and build sub-systems on **GIT**.
- Creating and maintaining the development and release branches on **GIT**.
- Using **Maven** as a build tool, I could automate the process of building artifacts.
- Supported and helped to create dynamic views and **snapshot** views for end users.
- Implementing **Jenkins** continuous integration tool including installing setting the jobs/plans and setting up the tool for deployment.
- 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**, **S3**, **EBS**, **Cloud Watch**, **ELB**, **VPC** 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.
- Experience in scripting for monitoring/deployment using puppet to automate the task/deployment/install is strongly preferred.
- Used **Docker Container** for running different individual services and optimizing the infrastructure cost.
- Managing/Tracking the defects status using **JIRA**.

- 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.
- Good Knowledge in Shell, Python, Perl & Expect scripting
- Coding of UNIX shell script for transfer of files between servers according to business requirements and performing the operations on oracle database.
- Managed **Docker orchestration and Docker containerization** using **Kubernetes**.
- Utilized **Kubernetes** for the runtime environment of the **CI/CD** system to build, test deploy.
- Experience with configuration management tool **ansible**.
- Launched multiple instances on AWS based on the client requirements.

PROJECT#1

Project Name :Site Crawler
Client :HP
Role :Build and Release Engineer
Environment :Maven, GIT, Jenkins, Shell Scripting, Tomcat, Linux , /
 Docker,k8s, J2EE,Nexus, SonarQ

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**.
- Experience in Creating **branches and tags** to separate build system after a milestone releases and Create build storage archives for back tracking builds.
- Automated build scripts using **Maven and Shell Scripts**.
- Configured **Jenkins** CI 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** over UNIX and LINUX build machines in distributed mode over Apache Tomcat and configured jobs along with various plug-in for Continuous Integration, Release Builds for **AGILE** and Production Branches.
- Accomplished in tool automation using **Shell scripting**.
- Participated in Bug review meeting and release the builds to **pre-production and production servers**.
- 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.
- Preparing the build statistics and produce to the management team.
- **Troubleshoot** deployment problems, **release issues** and **environment issues** in a multi-component environment.

