**RAJENDRA PRASAD RAVIPATI**

**(DevOps Engineer)**

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**PROFESSIONAL SUMMARY**

* Having 13+ years of Experience in IT **DevOps Engineer** and **Sr Automation Engineer** as per Agile Process in different environments.
* Extensive experience in using **DevOps** tools like **Vagrant, Docker, Jenkins, Maven, Git, SVN, Ant** for CI and CD operations in the cloud infrastructure **AWS**.
* Working knowledge of AWS Cloud services - **VPC, Route53, ELB, RDS, EC2, S3**, Code Pipeline.
* Excellent Skill in manual testing and automation tools like WebDriver, Selenium and QTP in testing ERP Web, and Client/Server Applications
* Experience in Test Methodologies like Agile(Scrum and BDD),V-Model and Water Fall.
* Developed behavior-driven development (BDD) scenarios and Continuous Integration (CI) using cucumber for native iOS and Android applications.
* Knowledge of Test Driven Development (TDD) in development of test automation frame works for testing mobile applications.
* Experience in Continuous Integration and Continuous Delivery (CI & CD) on AWS Cloud Infrastructure with Code Deploy, Code Commit, Code Pipeline Services.
* Installed and configured **Tomcat Application servers** for **DEV, QA, Staging** and **PROD** systems.
* Experience in deploying applications (**WAR, JAR, and EAR**) in stand-alone domain and clustered environments.
* Experience in analyzing **logs** for troubleshooting java application issues from server side.
* Extensive experience in developing **Test Strategies** and **Test Plan**.
* Reporting and troubleshooting customer issues and creating the Traceability Matrix based on business requirements.
* Extensive experience in the areas of Functional Testing, Smoke, Sanity Tests, Integration Testing (using Top down and Bottom up Approaches), System Testing, End-to-End, User Acceptance Testing(UAT), OAT, Customer Acceptance Testing (CAT), Regression Testing of Client/Server, web applications, Project and Product testing.
* Extensive experience in developing automation frameworks using QTP and Selenium (Web Driver), Cucumber.
* Having Strong Experience on Non Functional Testing like Performance Testing, Load, Stress and Volume using Loadrunner, JMeter.
* Experience in Database testing like Testing SQL Queries in MS SQL Server, Oracle, MySQL, MS Access Databases.
* Expertise in cross-browser testing by performing same test techniques on different and familiar browsers running on different operating systems.
* Excellent communication skills, fast learning capabilities, achieved good career growth and successfully implemented new testing concepts.
* Extensive experience in **Defect Management** (ALM, QC,Bugzilla and Jira).
* Good experience in preparing estimations and Metrics for Evaluating Testing.
* Ability to handle multiple tasks independently as well as collaboratively with team members in testing complex projects.

**CERTIFICATIONS AND EDUCATION**

* MSc in Computer Science.
* AWS Certified Solutions Architect – Associate.
* ISEB/ISTQB Foundation level.
* AIS Certified in Loadrunner (CPS).

**TECHNICAL SKILLS**

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| --- | --- |
| Operating System | IOS, UNIX, Linux, Citrix, Dos, Win 7/NT/2000/XP. |
| Languages  Open Source Tools  Test Management Tools  Web technologies | JAVA, TSL, SQL, Visual Basic script, Python, Bash, YAML  Selenium Web Driver and SoapUI  Test Director, Quality Center/ALM, Bugzilla  HTML, XHTML, XML, CSS, and Dream Weaver |
| AWS Resources | IAM, VPC, S3, EC2, ,ECS, ECR, SNS, SQS, Cloudformation, CloudWatch, ELB, Auto Scaling, Route53 and Lambda |
| Version control Management | Clear Case, GIT, SVN. |
| Configuration Management | Ansible |
| Monitoring Tools | ELK (Elasticsearch, Lagstash, Kibana) and Nagious |
| Web Servers | Apache Http & Tomcat and Nginx |
| Virtualization & Containers | VMWare, VirtualBox, Docker, Kubernetes |
| Database | PostgreSQL, RDS/DynamoDB |
| CI/CD Tool | Jenkins/Hudson, Maven, Nexus, Artifactory |
| Methodology | Agile & Scrum Software Development Methodology |

**PROFESSIONAL BACKGROUND**

**Optimus IT DevOps Automation Engineer April 2017 – Till Date**

* Good experience on building an automated pipeline for DevOps activities.
* Installed/Configured/Managed Jenkins CI/CD Automation.
* Installed and configured the Distributed builds for Jenkins
* Design the pipeline for multiple test environments (TDD/BDD).
* Creating multi test environment job using Jenkins.
* Experience on using **VPC, EC2, RDS, ELB, Route53, IAM**.
* Implementing Continuous Delivery framework using Git, Jenkins, Maven, SonarQube and Nexus in Linux environment.
* Installed/Configured and Managed Nexus Repository Manager and all the Repositories.
* Created various branches for each purpose, Merged from development to release branch, created tags for releases.
* Provisioning and monitor scalable infrastructure on Amazon web services by **terraform**.
* Deployed web applications into different environments using Jenkins, **Docker** and **Kubernetes**.
* Working experience with Helm and Rancher.
* Working knowledge of application monitoring and Cluster monitoring tools, including, ELK, Prometheus, Grafana.
* Scripting experience in Python, Bash, YAML.
* Manage the QA Tester and delegate tasks and work requirements to QA Tester ensuring clear responsibilities, deadlines and deliverables are understood
* Good experience in working with both internal clients and external partnerships.
* Excellent project management and process development skills.

**CGI for UK Smart Metering** |  **SIT Engineer June 2016 – March 2017**

* Include regularly liaising with the development teams, Infrastructure teams, Business
* Analysts, CSPs (Communication Service Providers) and DCC (Data Communications Company) to communicate the technical issues.
* Derived test cases for each service request by referring to the Service Definition documents.
* Responsibilities such as test plan, test progress report and test completion report.
* Executed the tests, retested the defects and maintained the Regression Pack.
* Performed system integration testing in API Testing
* Prepared Test Data files (XML) for each service request by using Altovo XML Spy.
* Validating XML files against Schema definitions and Testing­­ Web services for multiple Interface using SOAP UI tool.
* Analysing UNIX /Wireshark/Ferret logs for service request/response in 14 motorway servers to check the acknowledgements and successful delivery and finding out any issues.
* Validating the Correlate and Parse logs and translating the payload for finding out the successful response from the devices for the services request sent from the DSP.
* Involved in verifying transaction details using Volt DB and Oracle DB

**IBM for Defence Business Services |**  **IT Consultant Sep. 2015 – May. 2016**

* Delivered support to the development, QA, and UAT teams in creating DEV/QA/UAT Environments setups.
* Tracked the UAT/pre-Production Environments for any downtime issues by performing regular cron job updates in servers.
* Deployed services on middleware using automation scripts and Jenkins and implemented build automation process for all the projects in vertical apps domain.
* Planned and implemented end-to-end release process of all the applications in vertical domain.
* Preparing test scripts on all the test levels, executing the tests and evaluating the results
* Analysing business scenarios and ensuring test coverage;
* Preparing and acquiring test data;
* Analysing and reviewing documentation (BR100, MD50’s) and supplier files XML files and schema’s;
* Identifying gaps in requirements and test coverage;
* Confirming the set-up of the test environment;
* Writing SQL scripts in TOAD for data analysis and test data preparation;
* Organising meetings and working together with the development and functional analysts.
* Supporting the infrastructure and Data Migration activities.

**CAPITA for Defence Business Services |**  **SI Test Engineer May. 2015 – Sep. 2015**

* Responsible for performing Integration testing
* Ensure all services developed are well integrated according to the specifications.
* Responsible for coordinating with offshore and ensure that deliverables are meeting service test team
* Build, execute, and maintain Integration test harnesses, testsscripts as assigned
* Web service testing using Soap UI pro and XMP Spy tool
* Working in an Agile / Scrum environment as an active member of the Scrum team.
* Review and verification of XSD and XML schema’s
* Database testing including use of complex SQL structures to mine for information
* Testing message queues (JMS) in SoapUI.

CSC  **for Defence Business Services** |  **Automation Engineer** **Jul. 2014 – Mar. 2015**

* Created Automation framework and automation test strategy using UFT and HP ALM.
* Automating Oracle EBS (R12) HR and Finance business flows.
* Automating OPA Policy Modelling processes
* Created automated scripts for data creation (Functional and Performance testing).
* Created automation script for Functional and End to End flows.
* Created Regression Test Suite using UFT.
* Participated in reviewing and updating the overall test strategy.
* Enhancing tools and methods for faster and more efficent test planning and execution.
* Outstanding skills in Defect life cycle management.
* Played major role in collection & Preparation of different Test Metrics.
* Created automated scripts for Legacy to Oracle EBS data migration
* Created UFT scripts for Oracle BI and lead data cleansing, data verification and other data mining and ETL activities

**UMGI 🞂 Automation Test Analyst Dec. 2009 – May. 2014**

* Good experience in the Agile-Scrum methodology.
* Involved sprint planning, daily stand up’s and retrospective as per agile process.
* Paring with developer, BA to articulate the test scenario’s and test coverage.
* Identified test scenarios and designed test cases based on User stories and acceptance criteria.
* Validated end to end mobile user scenario’s on simulators and real devices.
* Performed End to End testing of same app across different mobile devices (IPhone, IPod, IPAD, HP, Samsung and Panasonic tablet) connecting to the server parallel at the same time.
* Validated back-end logs in Audit log when different mobile devices are generating operations.
* Performed Cross platform testing and Cross browser testing across iOS and Android.
* Involved in setting up automation framework with Appium JUnit & Maven in Java.
* Created cucumber scenario feature files along with step definitions for user story’s acceptance criteria.
* Integrating the automation scripts into CI with the help of Maven.
* Responsible for test data preparation, set up test environment, Test Harness for the system.
* Ensured that all the stories have met the definition of done in each sprint cycle.
* Performed Regression testing to verify that delivered application has not adversely affected processes.
* Used JIRA for defect logging and tracking the issues.
* Analyzing Business requirements interacting with client to obtain requirements.
* Analyzing which test automation tool will be fit for application.
* Implement and communicate strategy/approach for projects with automated testing requirements.
* Design and develop automated test frameworks.
* Harnessing BDD principle in promoting them in day to day activities.
* Implement and communicate strategy/approach for projects with automated testing requirements.
* Design and develop automated test automation frameworks from scratch for Native App and Web Based Applications (IOS and Android).
* Writing and Executing the End to End test scripts
* Integrate QTP with QualityCenter.
* Setup the test environment and preparing test data for QTP.
* Executing test scripts from QC.
* The Defect management and control of all defects within the in-house and offshore development environments.
* Analyse QTP output and provide support in defect resolution.
* Performed User Acceptance testing (UAT), and Functional testing of full systems and individual products.
* Conducting Defect status meetings to both regional users and international users on a regular basis.
* Definition, ownership and management of the Defect Process.
* Ensuring all defects are entered correctly and managed effectively.

**Silicon Soft 🞂 Developer in Test Dec. 2007 – Nov. 2009**

* Analyzing Functional requirements interacting with client to obtain/clarify requirements.
* Writing and peer Review the test case documents.
* Performed Integration, System, User Acceptance, and Functional testing of full systems and individual products.
* Installing the Open source Selenium tool.
* Designed the Automation frame work.
* Proficient in writing and executing test scripts with Selenium
* Preparing the test environment setup, Arrange the Hardware and software requirement for the test Setup.
* Running the Automation scripts
* Solid experience of Test Management and Defect Tracking tools.
* Analyze the NFR during the requirements analysis phase of projects.
* Good understanding of non functional requirements(NFR)
* Preparing the non functional test plan.
* Preparing the test environment setup, monitor and manage services together with technical support.
* Escalate the issues about the project requirements (Software/Hardware/resources) to the project manager.
* Interacting with the developers and management teams to solve the performance issues.
* Distributing the load across load generators through controller.
* Executing Jmeter scenarios and Analyzing results, documenting the results.

**Capgemini 🞂 Associate Consultant Jun. 2005 – Aug. 2007**

* Keep track of the new requirements from the Project.
* Preparing the test environment setup, Arrange the Hardware and software requirement for the Test Setup.
* Develop and implement test plans.
* Escalate the issues about project requirements to Test Manager.
* Assign task to all Testing Team members and ensure that all of them have sufficient work in the project.
* Send the Status Report (Daily, Weekly etc.) to the Client.
* Involved in Integration testing, System testing and UAT.
* Designed the frame work for QTP and developing the scripts.
* Creating Load Runner script development for multiple protocol interfaces.
* Distributing the load across load generators through controller.
* Perform the Load, Soak and Stress testing by using Loadrunner.
* Creating Load Runner script development for multiple protocol interfaces
* Generated VuGen Scripts and scheduling the scenarios.
* Running the performance scripts.
* Analyze the performance results and Identified the Bottlenecks.
* Loadrunner results, documenting the Loadrunner results.