To Van Tu
Quality Assurance
Automation Engineer

0353429579

tutv1997@gmail.com

Male

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Ho Chi Minh, Vietnam

Summary

More than 4 years of experience in the software testing field including manual and automation tests. I have experience testing with web applications, mobile apps, API testing, and a bit about Performance tests.

Technical Skills

Programing languages	Java, Javascript, C#, Python.
Web testing	Selenium (Selenium WebDriver, Selenium Grid).
Mobile testing	Appium (iOS, Android, Windows App).
API testing	Rest Assured.
Performance testing	K6 (JavaScript).
Chatbot	Errbot (Python).
Test framework	JUnit, TestNG, MSTest, NUnit, Specflow BDD, Cucumber BDD.
Design Pattern	Page Object Model, Singleton.
CI/CD	Jenkins, TeamCity.
Version control	Git, TFS.
Build tool	Maven.
Ticket and test management	Jira, Xray, TestRail.
Web service test	Postman.
Cloud service	Amazon Web Services (AWS)
Other tools and libraries	Docker, Datadog, Lombok.
Database query	SQL.
None-SQL	MongoDB, DynamoDB.
Development models	Agile Scrum, Kanban.
IDEs	IntelliJ, Visual Studio Code, Microsoft Visual Studio, Eclipse, Pycharm.

Work experience

TYME DIGITAL - PRODUCT
May 2021 - Present

Quality Assurance Automation Engineer
About Tyme: Tyme is building multi-country digital bank focused on emerging markets in Asia and Africa.
Project Name: TymeBank
Business domain: Digital banking
Project Description: TymeBank is digital banking which builds for South Africa.
Project architecture: *Microservices*.
Project Technology - Automation Test:
 - Programming language: Java, Kotlin, Python, Javascript.
 - Testing tool: Selenium WebDriver, Appium, Rest Assured, K6.
 - ChatBot: Errbot.
 - CI/CD: TeamCity.
 - Testing framework: Cucumber, TestNG.

- Design Pattern: Page Object Model, Singleton.
- Database: DynamoDB, MySQL.
- Version control: Git (Bitbucket).
- IDE: Intellij, VS code, Pycharm.
- Other tools: Docker, Datadog, Postman, AWS console (EC2, ECS, CloudWatch, S3 bucket, ssh gateway,...).
- Ticket management and management workspace: Jira, Confluence.

Responsibility:
- Implement automation script for the web application, smart app Android, smart app iOS, Windows App, API, and USSD (Unstructured Supplementary Service Data - is a Global System for Mobile Communications (GSM) protocol that is used to send text messages).
- Develop, maintain and deploy the chatbot (Errbot). Chatbot used to call other services in the AWS, third parties or others API, query database,... Example: Create, get, update, and delete context data on DynamoDB (context data used for storing data of automation test). Create and delete the account, simulate payment transactions, get OPT from the mocking service, and push messages into the Kafka topic.
- Write performance script using K6, deploy into ECS and run via bot command then monitor the services on AWS console, Datadog after that collect the metrics and report.
- Create CI for automation test, setup, and connect agent. Investigate failed tests.
- Support testing for migration, and DR testing.
- Use Postman or CURL in the terminal for API testing.
- Training and sharing automation test, performance test, and chatbot for feature teams.
- Contribute to the automation framework: Parallel execution, generate Xray report, retry when the test failed.

NASHTECH LIMITED - OUTSOURCING   Sep 2019 - Apr 2021
Quality Assurance Automation Engineer
Project name: Thomsons Online Benefit.
Business domain: Human Resouce (HR).
Project Description: Thomsons Online Benefits is a global benefits management and employee engagement software system that also provides consultancy services related to rewards, workplace pensions, and employee benefit programs.
Project Technology - Automation Test:
- Programming language: C#.
- Testing tool: Selenium WebDriver.
- Distribution test: Selenium Grid.
- CI/CD: Jenkins.
- Testing framework: MSTest.
- Design Pattern: Page Object Model.
- Database: SQL Server.
- Version control: TFS.
- IDE: Microsoft Visual Studio.
- Ticket management and management workspace: Jira, Confluence.
Responsibility:
- Work closely with Singapore, Rumani, and United Kingdom clients.
- Attend and discuss in the kick-off meeting, and demo meeting with the Developer, Business Analyst, Product Owner, and Delivery Lead.
- Design test cases and perform manual testing.
- Design, implement and maintain automation scripts.
- Investigate automated failed tests then update the automation code or raise defects/bugs.
- Run the Report Comparison API after every code cut, investigate and raise bugs if any, and adjust the API code if necessary.

TITAN TECHNOLOGY CORPORATION - OUTSOURCING   Mar 2018 - Aug 2019
Quality Assurance Automation Engineer
Project name: Auvenir.
Business domain: Customer relationship management
Project Description:
- Auvenir was created to help small and medium-sized practitioners provide a better financial audit experience for their clients.
- The Auvenir platform seamlessly integrates advanced technology to enhance the financial audit workflow, improving efficiencies and communications for auditors and their clients. This includes a robust collaboration tool, as well as patent-pending machine learning software that automates routine tasks of the audit process.

- This project is to develop and test the Auvenir application from scratch.

Project Technology - Automation Test:
 - Programming language: Java.
 - Testing tool: Selenium WebDriver.
 - Distribution test: Selenium Grid.
 - CI/CD: Jenkins.
 - Build tool: Maven.
 - Testing framework: JUnit.
 - Behave Driven Development: Cucumber BDD.
 - Design Pattern: Page Object Model.
 - Report tool: Report Portal.
 - IDE: IntelliJ.
 - Ticket management and management workspace: Jira, Confluence.
 - Version control: GitHub.
 - Database: PostgreSQL.

Responsibility:
 - Support regression tests when a new build was released.
 - Implement test scripts for manual test cases.
 - Run automation scripts when the engineers released a new version.
 - Investigate and report issues after executing automation scripts to the development team.
 - Maintain automated script code in case of changing the requirements.
 - Create SQL queries to delete the old accounts and create a fresh account for the members of the automation team to run the automation scripts when having a change in the database

TABLE BOOKING (THESIS) Sep 2017 - Jan 2018

Web Developer

Project description: Build Table Booking web application to allow users to book tables at restaurants online.

Project Technology:
 - Programming language: Java Spring MVC model
 - Database: MySQL
 - Spring MVC model
 - Bootstrap
 - Javascript
 - HTML/CSS
 - Jquery
 - Photoshop

Responsibility:
 - Analyze the cost and estimate the progress.
 - Create themes/diagram to clear user requirements.
 - Design the database.
 - Prepare UI design with Photoshop.
 - Develop functions/modules of the web application.
 - Test and deploy.

Education

FPT POLYTECHNIC COLLEGE 2015 - 2018

Software Application Major
Graduation Grade: Very good