Mohamed Amine Baccar

Quality Assurance Automation Engineer

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Professional Experience

Since November 2019

Quality Assurance Automation Engineer
VERMEG Tunis, Tunisia

- Developed KPI reports, presented them to Engineering & Product Management to ensure the team meeting quality goals and to quantify testing efforts to be used for release scheduling.
- Built & Maintained a test automation framework based on Cypress & Cucumber to automate functional tests for a complex collateral management product Colline, a Microservices based application with the frontend built with Angular.
- Maintained an existing complex E2E Automated testing framework of over 900 E2E automated test scenarios, built on Cucumber, Selenium & Java to test Legacy Colline.
- Added code to the test automation framework to support both UI and API automated tests following the redesign of the product from a monolith to microservices architecture.
- Created over 300 Smoke / Sanity / Regression Cucumber E2E automated test scenarios to test APIs using RestAssured.
- Provided training and mentoring for 15 colleagues and on UI and API testing for the test automation framework.
- Maintained a performance testing framework that acts as a JMeter runner as well as a custom benchmarking tool for specific shell scripts included in the product to generate performance reports.
- Added over 200 JMeter tests and custom benchmarking scripts to performance testing framework.
- Performed Database migrations (Oracle RDBMS, SQL Server, PostgresSQL) on test database dump (3m+ rows / 500+ tables) in order to run regression test suites on them to uncover Database-specific defects.
- Created and executed 50+ API unit tests using SOAP UI, created basic Groovy scripts.
- Created and executed software test plans, test cases, and automated them to uncover, identify, and document software defects.
- Performed root cause analysis and debugged test failures, worked closely with the Software Development Teams, and reported software bugs in the bug tracking system Jira.

From February 2019 to June 2019

Software Developer (Internship)
TangoRythm Djerba Midoun, Tunisia

- Design and development of a fire safety instrumented management system based on IoT technology.
- Web application developed with Laravel.
- Mobile application developed with Android Studio (Hybrid Application) using Java.
- REST API developed with PHP.

Education

From September 2016 to June 2019

Licence Degree in Computer Science applied on Management
Faculté des Sciences Économiques et de Gestion de Sfax Sfax, Tunisia

Skills Acquired in the course:
Java / Java EE, C#, Oracle RDBMS, UML Modelling, Software Engineering, Web Development, Operating Systems

Personal Projects

• **Cucumber + Cypress Sample Framework**
A sample Test Automation framework based on Cypress built by me to showcase my framework building skills.
The framework's components are loosely dependent, UI element locators are defined independently (not hardcoded into step definition files) and are parameterizable, Data is written into JSON files to enable Data Driven Testing (contrary to being written inside the Cucumber Feature files), Github Actions are also added to run specific scenarios with different tags, the Actions can be either scheduled or manually triggered.
Repo Link

Skills

Programming & Scripting Languages:
Java, JavaScript, SQL
Testing & Automation Technologies:
Selenium, Cypress, SOAP UI, Cucumber, JUnit, TestNG, RESTAssured, JMeter, Veracode
Database Management Systems:
Oracle RDBMS, MySQL, PostgreSQL
Software & Tools:
IntelliJ, Eclipse, Maven, Github/Bitbucket, Putty, DBEaver, Jira

Certifications

2020 — **JavaScript Algorithms & Data Structures**
freeCodeCamp

2020 — **98-388:MTA: Introduction to Programming using Java**
Microsoft
Score: 81/100

2019 — **98-364:MTA: Database Fundamentals**
Microsoft
Score: 80/100

2019 — **98-375:MTA: HTML5 Application Development Fundamentals**
Microsoft
Score: 73/100

2016 — **International English Language Testing System (IELTS)**
British Council
Good User: 7.5/9

Social networks

in Mohamed Amine Baccar

@aminebaccar

Languages

Arabic
Native Level

English
Advanced Level (C1)
› IELTS : 7.5/9

French
Professional working proficiency