

JOSHUA BENJAMIN

Software QA Test Engineer

Philadelphia, PA

717.538.0866 * www.linkedin.com/in/joshbenjaminsdet

joshua.benjamin.sdet@gmail.com * [jbenj-upenn.github.io/personal-profile-v2020](https://github.com/jbenj-upenn/personal-profile-v2020)

PROFESSIONAL SUMMARY

- **Highly-competent, results-oriented Software Test Engineer with six years of experience in software development, testing, and automation.**
- Excel in **Agile environments** where **collaboration, innovation, and continuous improvement** are essential, promoting and participating in **sprint planning, daily stand-ups, sprint demos, sprint reviews, sprint retrospectives, and more.**
- Possess exceptional **communication, problem-solving, and critical-thinking** skills.
- Enable effective cooperation among **cross-functional teams, stakeholders, and clients** to deliver **high-quality software solutions.**
- Expertise with **server-side/UI (Selenium), database (MySQL), and API (POSTman, REST Assured)** frameworks.
- Hands-on experience in **system and framework set up, maintenance, and functional (smoke, integration, regression, sanity) and non-functional (performance, security) testing.**
- Have a proven track record of implementing efficient, logical **automation frameworks**, identifying defects early in the **development and testing lifecycles**, and reducing manual effort by **nearly 70%**, reducing test time via implementation of **parallel testing, and increasing test coverage.**
- Highly skilled in **analyzing** complex technical requirements, designing **comprehensive test plans**, and delivering timely and accurate results during each Sprint.

EXPERIENCE

APRIL 2019 – PRESENT

SOFTWARE QUALITY ENGINEER, PEARSON EDUCATION

- Actively participated in analyzing **Business Requirements Documentation (BRD)** and **Functional Requirements Documentation (FRD)**, applying that information to develop and execute comprehensive test plans and test cases for multiple web-based projects, ensuring compliance with quality standards and requirements.
- Revamped **automation testing framework** for server-based Pearson+ project, **increasing coverage to 90% and improving bug detection rate by 40%.**
- Collaborated with **cross-functional teams** to identify, report, and resolve software defects efficiently, and integrate automated tests into the **CI/CD Pipeline using Jenkins.**
- Conducted **functional, regression, and performance** automation testing to deliver high-quality, bug-free software.

- Designed and implemented **automated test suites** using tools such as **Java, Selenium, Cucumber (Gherkin), TestNG, JaCoCo, and JMeter**, resulting in significant reductions in testing time and coverage.
- Implemented **parallel testing** using **TestNG**, **reducing test execution** time by **30%** and improving the speed of test feedback on code changes.
- Conducted code reviews and refactoring to improve code maintainability and scalability, improving software quality.
- Utilized management tools like **JIRA** to manage project phases and progress throughout the software development life cycle, aiding in resolution of defects and reporting of software quality metrics.
- Maintain test reporting via runners that created **Cucumber HTML reports**.
- Experienced using **Web Service API testing** with **Postman** and **REST Assured**, and in writing **SQL queries** and testing using **MySQL Database, MySQL Workbench, and Java Database Connector (JDBC)**.
- **Mentored** and **trained** junior software quality engineers in best practices, automation, and defect management.
- Maintained formal and informal **professional development** with new tools and technologies in test automation.

FEBRUARY 2017 – APRIL 2019

QA AUTOMATION ENGINEER, KAPLAN, INC

- Was responsible for creating robust, performance-driven, automated test scripts using **Appium, Protractor**, and other tools, focusing on **Smoke** and **Regression** test suites.
- Worked closely with **developers, designers, and dev-ops** to meet team commitments according to test plans.
- Worked closely with and was essentially **mentored by the Test Lead** to enhance quality assurance processes.
- Ensured that **SQL databases** and **APIs** developed by the team were reliable and met users' needs, testing with **Postman** and **REST Assured**.
- Conducted performance testing to verify scalability and maintainability of code.
- Took part in **code refactoring** sessions.
- Utilized **Asana** as management and bug-tracking tool.
- Provided product owner and business analysts with **risk/effort analyses** to enable their decision-making processes in an **Agile** work environment.
- Maintained test reports using **ExtentReports** for the suite that aided team leaders in their decisions and guidance.
- **Reduced overall regression suite testing time by 59%** in 'Advance My Career' projects.

EDUCATION

MAY 2010

MASTER'S – TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES, WEST CHESTER UNIVERSITY OF PENNSYLVANIA, WEST CHESTER

4.0 GPA

MAY 2003

BACHELOR'S – ADVANCED LINGUISTICS, MILLERSVILLE UNIVERSITY OF PENNSYLVANIA, MILLERSVILLE

3.54 GPA

SKILLS AND TECHNICAL TOOLBOX

- API | Postman, Rest Assured, JSON, Jackson, Gson
- DATABASE | MySQL, Java Database Connector, MongoDB
- AUTOMATION TOOLS | Selenium, TestNG, JUnit, Cucumber
- PROJECT MANAGEMENT METHODOLOGIES | Agile/Scrum
- CLOUD-BASED TESTING | Sauce Labs, Browser Stack
- VERSION CONTROL | Git, Github
- REPORTING | ExtentReports, Cucumber, TestNG
- OBJECT-ORIENTED PROGRAMMING (OOP) | Java, JavaScript, ReactJS
- TEST-DRIVEN DEVELOPMENT | TestNG
- BEHAVIOR-DRIVEN DEVELOPMENT | Cucumber
- LOAD/PERFORMANCE TESTING | JMeter, Gatling
- PROJECT MANAGEMENT TOOLS | Jira, Asana, TestRails
- BUILD AUTOMATION TOOLS | Maven, Gradle
- CI/CD PIPELINE TOOLS | Jenkins
- LANGUAGES | English, Spanish
- Linux/Unix Operating System

FORMAL PROFESSIONAL DEVELOPMENT

AUGUST 2020

CERTIFICATE – WEB DEVELOPMENT, UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA

Front and Back-end Computer Programming

PERSONAL INTERESTS AND EXTRACURRICULAR ACTIVITIES

Public and private mural creation, art, billiards, basketball, weightlifting, poker, reading, general research, web development, volunteering