BARATH PANDIYAN

San Jose, CA 95133 | www.linkedin.com/in/barath-pandiyan | +1 313-929-9384
barath.pandiyanv@gmail.com

SOFTWARE QUALITY ENTHUSIAST

I am motivated and self-driven with ability to work in fast paced and highly productive environments. I have measured and increased the quality of the applications by manually testing, automating functional tests and increasing unit test coverage. As a team player, I have accomplished creating scalable and easily maintainable test frameworks with industrial coding standards.

TECHNICAL SKILLS

Programming Languages: Java, SQL, PL/SQL, TypeScript
Databases: Oracle
Web Technologies: HTML, CSS, AJAX, JavaScript, jQuery, Bootstrap
Operating Systems: Linux, Unix, Windows, Mac
Tools/Frameworks: Eclipse, Spring, Hibernate, Junit, Power Mockito, IntelliJ, Mainframe, UC Build & Deploy, SQL Navigator, Harvest, Urban Code, Git, Teradata SQL Assistant, JUnit, Selenium, JIRA, Ionic, Angular, SourceTree, Fork

PROFESSIONAL EXPERIENCE

BlueCross BlueShield, Detroit, MI   **10/2019 – Present**
Software Development Engineer in Test
I am responsible to maintain high quality for the health insurance web application both functional and performance aspects. I create and execute test plans for different features of the product and monitor code coverage over commits.

★ Created automation framework from scratch using **Selenium** library**, TestNG, Surefire** report (**maven**). This enabled cross browser testing on our nightly Jenkins runs.
★ Measured unit test coverage percentage as part of code commits using **Clover** plugin in Jenkins.
★ Performed backend API testing as part of sprint and added automation using **REST Assured**.
★ Tested reliability of the application's backend APIs using **JMeter** script to mimic concurrent user requests.

Environment JMeter, Java, Selenium, Clover, Jenkins, REST Assured.

HM Health Solutions, Pittsburgh, PA   **12/2017 – 09/2019**
QA Engineer
I managed, maintained and troubleshot IBM Mainframe's monthly and daily activities for multiple Java applications utilizing Visio Workflow Plans. Created, maintained and implemented test plans for new tasks.

★ Utilized **Power Mockito** and **JUnit frameworks** to unit test legacy code.
★ Created test plans to perform functional tests on the new features developed.

- ★ Performed manual back-end testing using **Postman** and automated it using java **HttpClient**.
- ★ Helped to prioritize customer raised defects. Verified them by going through our product error log files on server to create defects in our sprint.
- ★ Worked with the development team to solve build/environment specific issues.

Environment: Java, Spring Data JPA, PL/SQL, Power Mockito and JUnit frameworks.

INTEGRA Technologies, Wilmington, DE   **05/2017 – 11/2017**
Automation Engineer
   Participated in brainstorming sessions with team managers and team members on ways to increase test automation throughout the application.

- ★ Developed and executed test plans and test suites for different modules of the application.
- ★ Performed smoke testing and manual testing on different OS/devices and also on online platforms (**Perfecto**).
- ★ Created and ran unit test cases during development phase using **Jasmine** to achieve code coverage gate of 85%.
- ★ Utilized **Android Studio/XCode** for effective deployment and troubleshooting of platform related binaries.
- ★ Used Atlassian JIRA and GitHub for daily SCRUM activities and code base.

Environment: Java, Oracle PL/SQL, REST, Maven, Selenium, JMeter.

ASTACRS, Ashburn, VA   **10/2016 – 04/2017**
Junior Java Developer
   As a program trainee, I helped in maintaining coding standards throughout the application. I also participated in regular team discussions for quality and productivity. I also tested the entire application to be friendly for disabled people.

- ★ Performed **accessibility testing** over the entire application to make it more friendly towards the physically challenged.
- ★ Participated in creating and executing **test suite** for parts of the application.
- ★ Coordinated with the developers to maintain code quality by contributing for test coverage gate whenever required.
- ★ Resolved customer tickets by performing RCA and creating issue reports.

EDUCATION

Master of Science (MS) – Information Systems, University of Maryland, Baltimore County, Baltimore, MD

Bachelor of Engineering (BE – Engineering) – Computer Science
Sri Ramakrishna Engineering College, Coimbatore, Tamil Nadu