

Balwinder Singh Hayer

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❖ **Software QA tester** with full system development life-cycle experience, including designing, developing and implementing test plans, test cases and test processes fueling swift corrective actions, significant cost savings and fault-free audits.

❖ **Hands-on technology** professional accustomed to working in complex, project-based environments. Multifaceted experience in QA software testing, software development and user-acceptance testing.

❖ **Backed by strong credentials** including a Computer Science degree, Six Sigma Green experience and a test automation university certification; an advanced command of testing suites, agile methodologies and monitoring tools; and cross-platform skills in Windows & Linux.

Skills Summary

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|---------------------------------|--------------------------------------|-------------------------------|
| ❖ SQA Testing & Methodologies | ❖ Regression & Negative Testing | ❖ Testing with Automation |
| ❖ Test Plans, Cases & Processes | ❖ UI & Compatibility Testing | ❖ Defect & Bug Tracking |
| ❖ Functional Requirements | ❖ Data Interface & Migration Testing | ❖ Test Strategies & Coverages |
| ❖ Scripting & Documentation | ❖ Performance, Load & Stress Testing | ❖ QA's & QC's Standards |

Education & Credentials

Bachelor of Science of Engineering in Computer Science

California State University, Fullerton -

Associate Degree of Arts & Emphasis of Liberal Studies

Irvine Valley College, Irvine, CA

Test Automation University - <https://testautomation.appitools.com>

Experience Highlights

Rana Software Consultancy Limited

Quality Assurance Automation Tester

Jun 2018 – March 2020

- Develop and maintain an automation framework and scripts to drive quality and work with developers to capture developments test objects and use in automation testing, work with domain experts to develop and execute test plans
- Provide regular feedback to Scrum team for bugs and performance issues found during development and testing cycle
- Measure system performance on multi-user platforms through test scenarios using automated testing tools and result
- Assisted with user-acceptance testing and defect-tracking for bank-based software releases

Smart Programming Private Limited - Mohali, India QA

Automation Tester - Remote

- Transitioned software development efforts to a test-driven development (TDD) process, which brought QA testing in on the front-end of the development cycle for gains in code quality, software functionality and programmer productivity.
- Created and executed automated software test plans, cases and scripts to uncover, identify and document software problems and their causes.

Core Technologies Skills:

Testing Tools:	Selenium WebDriver with TestNG, UFT, JMeter, JUnit, SilkTest, Postman, Cucumber, SoapUI (API Testing),
Test Management:	qTest, TestRail, TestLink
	Java, C++, Python, JavaScript, HTML5, CSS3, SQL, Microsoft VBScript, .Net

Leader Election for Ring Topology – C++, MPI (Message Passing Interface)

- At start on election round, each active process sends its ID to its neighbors on either side. Send its rank to its neighbors Receive ranks from its neighbors If the process's rank is the lowest of the 3, then it will set itself to passive If the process's neighbor's ranks is equal to its own rank, then it will break out of loop and elect itself LEADER.

Best File Search – Python github.com/balhayer/BestFileSearch

- Designed and created an extraordinary Windows based best file search desktop application using Tkinter library
- Help users to improve work efficiency by reducing the time it takes to find a required files anywhere on the drive
- This software searches for a specific keyword and highlight the searched keyword upon opening the any document file.

AutoPartsInventory – Python, SQLite

- Designed an inventory database based inventory of storing all-in-one shop inventory auto parts application using python and sqlite
- Defined deadlines, delegated tasks, and ensured accordance with all design specifications and requirements
- Performed UI, Unit testing and performance testing upon the completion of the complete software suite