

PROFESSIONAL SUMMARY

Results-driven professional with years of experience working as a quality assurance engineer for leading organizations

TECHNICAL EXPERTISE

- QA Test Automation
- Java
- Selenium, HTML
- Object oriented design
- Auto-it, HP UFT/QTP
- Appian
- UNIX (Solaris/Ubuntu/Red Hat)
- C++ / STL / Visual Studio
- CISSP certified
- Algorithms and data structures
- White box / black box testing
- Scripting (VBScript, Python)
- Software versioning (Git, Perforce)
- Software Development Life Cycle
- Machine Learning
- Code instrumentation (NuMega BoundsChecker)

PROFESSIONAL EXPERIENCE

BITCENTRAL, NEWPORT BEACH, CA, AUGUST 2019 TO PRESENT

SR. QA ANALYST

- Manual testing as needed on projects.
- Writing new automated test cases, and updating existing test cases.
- Maintaining existing automation and writing new automation components as needed.

PACIFIC LIFE, NEWPORT BEACH, CA, JULY 2017 TO AUGUST 2019

QA ANALYST

- Conduct tests of various business software through utilization of functional testing.
- Chart the writing and development of new and the maintenance of existing automation for business software using HP UFT/QTP.
- Direct the creation and maintenance of new and existing tools that automate specific tests.
- Orchestrate the creation and development of a new automation framework on Jenkins to administer multi-day tests that previously was done manually.

NUMECENT, IRVINE, CA, OCTOBER 2013 TO APRIL 2017

SOFTWARE TEST ENGINEER

- Oversaw all automation operations for the company during my time in the role.
- Oversaw the maintenance, creation, and execution of automation to test client, server, and creation components of a cloud-based application delivery software.
- Effectively utilized VBScript, COM, auto-it, selenium, and VMWare.
- Handled the writing of tools to automated VMWare testing, which was previously done manually.

AMAZON, IRVINE, CA, OCTOBER 2012 TO OCTOBER 2013

CONTRACT SOFTWARE ENGINEER

- Executed the creation of core infrastructure pieces.
- Played a key role in contributing to a framework for automated testing of the Amazon Appstore on Kindle devices and other Android devices.
- Addressed and solved several difficult testing issues that came up over time, such as logging, timeouts, etc.
- Utilized instrumentation to automate GUI based tests and component integration tests.

VOLTPHREAKS, ALHAMBRA, CA, MAY 2006 TO MAY 2012

FOUNDER

- Directed the design and building of lightweight lithium batteries for professional racing teams and sports cars.

- Charted the creation and development of the company website using the open-source (PHP) OSCommerce platform, writing HTML source.
- Gained self-taught knowledge of basic analogue electronics, wire harnessing, schematic design, and PCB layout.

TH SOFTWARE, ALHAMBRA, CA, APRIL 2001 TO SEPTEMBER 2009

OWNER

- Established the company to allow me to sell my own software under the shareware model.
- Designed and developed software named PokerStat in 2001. This was the first successful program to parse customer log files, create a database, and generate statistics from customer's data.
- Written primarily using C++/MFC/STL and Visual Studio.
- Provided in-depth support, updated, and added new features over the years.

SYMANTEC, SANTA MONICA, CA, AUGUST 1999 TO APRIL 2006

SOFTWARE QA ENGINEER

- Conducted testing of core anti-virus engine/API.
- Drove the development and automation of testing when possible, mainly utilizing C++ on Windows and UNIX (Solaris) and scripts.
- Performed code inspection using dynamic and static methods, including multithreaded code.
- Administered code coverage, created test documents, and evaluated new code.
- Developed randomization testing. Came up with idea to randomly corrupt test files, leading to the catching of a large number of potential bugs and "blue screens", dramatically improving the quality of released code.
- Upon discovering that testing logs were used sub-optimally, implemented an improvement through the development of a tool that allowed analysis of logs in more detail with much faster speed, saving time and increasing the capability to find bugs.

INNOVATIVE INTERFACES, EMERYVILLE, CA, JUNE 1998 TO AUGUST 1999

SOFTWARE ENGINEER

- Charted the development and design of new features in library catalogue software in C and C++.
- Oversaw the fixing of bugs and other issues within the software.
- Worked on a new JAVA interface.

EDUCATION

BACHELOR OF SCIENCE (B.Sc.) IN ELECTRICAL ENGINEERING & COMPUTER SCIENCE, AUGUST 1994 TO MAY 1998

UC Berkeley, Berkeley, California; Emphasis on Computer Science

ADDITIONAL INFORMATION

Languages: English, Chinese (Mandarin)