

Scott Allman

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Software Testing and Development Professional

Maestro software tester, mentor, experienced software developer, seasoned consultant, and scholarly leader. Known for testing systems under tight schedules and high stakes. Experienced in quickly understanding stakeholder's concerns, building tools and tests, and clearly communicating results. Passionate about mentoring fellow software engineers on classic and modern testing practices.

Test Automation		Designer of Tests		Seasoned Mentor
Test Planner		Test Tools Builder		Communicator

Career Summary and Achievements

Gridmetrics, Inc (Part-time contractor. I am looking for full time work.) 1/1/2021 – Present

I am designing, coding, and running tests for a startup company. Technologies are Google Cloud Product (GCP), Pandas, Python 3, PyTest, and SQL databases. By working closely with colleagues in dev and marketing I am building an extensive, automated regression test suite.

NetApp, Inc., Boulder, CO

10/2018 – 10/2020

Senior Software Engineer in Test

Utilized deep knowledge of software testing and Python development skills on three strategic projects. Prominent engineer on NetApp's efforts to build camaraderie among software testers.

- Refactored a large pile of legacy Python unit and integration tests to improve quality and reduce problems found in the field.
- Designed and implemented an innovative architecture to flexibly test a web-based product using Selenium. Coded prototype and demonstrated to the Boulder office.
- Authored a test plan for flagship product which won praise from all levels of business.
- Taught two classes on design – "Given/When/Then" and also "Using Selenium".
- Active member of in-house initiatives for testers – book club, forums, presentations, mentoring.

Complex Systems Management – Boulder, Colorado

9/2009 – 10/2018

Professional Software Tester and Developer

Independent Contractor

Successfully launched advanced solutions for many companies in the cable television market. Utilized rapid-learning skills, iterative communications, and technical skills to solve urgent technical problems.

- Architected and built an automation framework to measure Wi-Fi (IEEE 802.11ac) performance. Verified and refuted several potential product designs in a short amount of time.
- While testing and measuring audience measurement I built a simple dev-ops system which successfully helped several operators gain key data when re-negotiating content licenses.
- For a complex industry-standard library, managed testing strategies so that our library was the first in the industry to be certified.
- On short term contracts I wrote test plans, investigated testing tools, and prototyped suites and test cases in order to reduce risk when engineers were exploring emerging technologies.

Director Software Quality

Successfully recruited, mentored, and lead team of twenty-five software testers across three offices to test quality of embedded system libraries as we scaled testing engineering to keep pace with development.

- Grew this startup's testing resources from just one engineer – me – to a large division with several teams. Architected solutions for testing sophisticated, arcane hardware.
- Planned, coached, and mentored one of the remote offices as it suffered through political turmoil in order to keep it's project 's on track.
- Architected and helped design successful products to sell testing services to our clients.

Consultant – Digital Globe, Hong Kong Royal Observatory, CableLabs (3/1994 – 2/2004)

Professional software tester. Designed and built test automation systems. Many interesting projects, many benefits to the customer, many stories to tell. Highlights are:

Digital Globe – commercial satellite imaging company in Longmont, CO – I was Director of Quality.

My team tested the ground systems to help sales estimate imagery in the photo archives.

Royal Observatory, Hong Kong – Designed tests, wrote tests, and mentored many engineers as we tested a state-of-the-art system for detecting foul weather at their new airport.

CableLabs – Louisville, CO. Many projects and prototypes for cable television industry, including data science to measure viewing audiences, advanced networking projects, and adaptive video streaming.

Additional Relevant Professional Software Tester Skills

Software Development – Python, Unix shells, Java, C, many dead programming languages

Frameworks – PyTest, Selenium, PyCharm, many dead testing frameworks

Techniques and Strategies – Unit, white-box, risk-based, integration, system, stress, quick tests

Embedded Unix Systems – Extensive testing of cable set top boxes

Database – MySQL and some non-SQL

REST and Web-Based – Selenium. Python requests

Test Planning – Just in time plans, industry standard formats, reviews and assessment

Team building and leading – Interviewer, mentor, lead in an Agile way

Certification and Professional Development

Teacher and Student – Association for Software Testing and associate of Cem Kaner.

Scrum Master – Certified Scrum Master

Sun Certified Java Programmer

Quality Assurance Institute – Certified Quality Analyst since 1999

Software Quality Assurance of Denver – 1,400 member professional society. Past President.

Education

Master of Arts, Philosophy, Thesis on Software testing, - University of Colorado, Boulder CO

Bachelor of Arts, Philosophy – Indiana University, Bloomington, IN