Allan Whitworth

QA Engineer / System Analyst
· FDA · Web Services · Databases · SaaS · Automation ·

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QA Engineer / Analyst offers 14+ years expertise in the full Lifecycle of Data driven Web applications (SaaS), Firmware, Software, Mobile devices, and Business Analysis. I enjoy Agile, Team and Individual projects, Team Building; Manual, Automation, Deployment and Business Intelligence testing. Looking in San Diego County.

Skills

- **QA / BA Functions**: V&V, Requirements, Test Plans, Traceability Matrices, Root Cause, UAT
- **Mobile**: Wi-Fi, GSM, CDMA, GSM, Bluetooth, IrDA, E911, QPST, Android Debug Bridge
- **White Box / Gray box**: PL/SQL (ETLs, OBIEE, AP, AR, Report), HTML, CSS, VBS, VBA, BASH
- **Bug and Task Tracking**: HP Quality Center / ALM, JIRA, SharePoint, Confluence, ClearCase
- **Databases**: AWS, Oracle, MS-SQL, PL/SQL, OBIEE, OLAP, MS-Access
- **Environments**: Windows, Apple, MacOS, iOS, Linux, Android, VMWare, VPNs, AWS, SaaS
- **Tools**: Toad, SoapUI (SOAP, ReST), jMeter, XMLSpy, Eclipse, IntelliJ, Visual Studio, MS-Project
- **Automation**: HP QuickTest Pro/UFT, LoadRunner, Selenium/Java of all, UIs (Desktop, CLI, Web)
- **Scripting**: Write and Debug BASH, ksh, JavaScript, Java, Python, Perl, VBA, VBS, MS-Access, RegEx

Experience

QAWeb | Remote QA Manager Consultant | 08/2018 - present
- o Website development, Usability and Load Testing, Smoke, Integration, UAT
  - ▪ www.excel-on-demand.com ▪ www.qaweb.net ▪ www.ganbatte.net
- o Develop MS-Access task tracking solution
- o Refactor Windows Selenium / Java framework to Linux

Rohde & Schwarz | Contract QA Engineer (CMW Desktop GUI controller) | 01/2018 - 06/2018
- o High level QA Development: Test Plans of CMWrun software control of the CMW100 sequencer
- o Install, Smoke Test and Feature test CMWRun builds on clients' OEM devices
  - ▪ Marvell (MW-302), 802.11a, g, n, b
  - ▪ Continental CMCC: CDS-CDMA, LTE, WCDMA, GSM, GNSS/GPS
  - ▪ Continental "R.O.W" LTE, WCDMA, GSM, GNSS/GPS
- o Customer QA: Collaborate with Account Engineers to confirm Customer issues and verify fixes
  - ▪ Develop C# program to automate parsing of 13MB raw reports into CSV summaries by keywords
  - ▪ Design Scripts to quickly identify errors in large reports, log and cleanup after test runs
  - ▪ Create detailed Test Suites using Altova XML Spy to analyze XML (RSTP)
- o Analyze: Isolate SCPI errors in band, channel, QPST logs, Android Debug Bridge (adb)

QAWeb | Remote Automation Migration Consultant | 04/2017 -12/2017
- o Informatica MBM/IDD (SaaS: Web UI, Database, Command line, and Database)
  - ▪ Automate Customer component of Informatica's MBM/IDD ERP solution with Selenium/Java.
  - ▪ Enhanced Test plan to automate a Selenium/Java proof of concept, with IntelliJ, Eclipse
  - ▪ Installed candidate versions of front-end input validation to target MS-SQL tables...
  - ▪ Collaborate via Slack with clients. Migrate local MS-Access solutions to Linux servers

Chirotouch | QA Engineer Automation consultant | San Diego | 02/2016 - 11/2016
- o Integrate Claims, Statements, Payments, EDI modules: Migration to Cloud (AWS SaaS) using:
  - ▪ Microsoft SQL & AWS - Test Databases, ETLs, Model Diagrams, Relationship maps.
  - ▪ JIRA, Confluence - publish Acceptance Criteria, Requirements matrix, Bug fixes
  - ▪ ERP of CMS / Medicare claims: diagnostics, prescriptions, primary, secondary, tertiary claims
- o Cross Platform tests of Win7, Win8, Win10, Mobile iOS (iPad) and Amazon Web Services.
- o FDA, HIPAA, HCFA, CMS (claims and billing) Smoke to UAT tests on PCs, and Tablet GUIs

MedImpact Healthcare Systems (PBM ERP) | QA Software Engineer | 11/2013 - 12/2015
In Agile environment, Plan, Execute, analyze root causes, write bugs, verify fixes
- o *VPEX Project*: New Proprietary Virtual Pharmacy: End to End QA, Manual & Automated
  - ▪ Smoke to UAT testing of SaaS Web Portals: Provider, Patient, Customer Service, EBS, HIPAA
  - ▪ Automate new and refactor legacy Test Suites with Selenium / Java / jUnit, VBS
  - ▪ End-to-End to and from MS-SQL to Web UI Dashboards (Customers' and Managements')
- o *FPA Project*: Formulary Enterprise: Oracle PL/ SQL to UI testing, Desktop / VPN job scheduling
  - ▪ Create nested Queries to test business rules, ETLs, confirm changes to keys and datatypes
- o *Tools*: JIRA, Confluence, IT PPM (Atlassian), Perforce, Jenkins, Git, HP Quality Center ALM
- o *BASH* scripting at command line: with vim, log analysis, (Splunk, Linux), schedule PL/SQL packages.

Audatex (Auto Insurance ERP) | Senior Test Engineer | San Diego | **03/2012 - 11/2013**
- o QA Design and Test Oracle, OBIEE (SaaS), OLAP: Smoke, ETL, Integration, UAT test suites
- o Manually & Automated QA (Smoke, Feature, End-to-end)
- o Participate in Sprint, Scrums, Mentoring and Cross training
  - ▪ Deploy New Builds from Staging to Production. Collaborate with offshore teams.
  - ▪ Manage Suites with VMWare (VPN), Oracle Virtual Box, using Toad, PL/SQL, HP QTP, Excel
- o Framework Automation with QTP Descriptive Programming of Desktop and Web User Interfaces
  - ▪ Design new OBIEE framework with QTP. Refactor / restore broken QTP suites.
- o Audit back-end Oracle data, ETLs, OBIEE reports, SLA key performance indicators (KPI)
- o Validate with HP QTP, HTML, CSS, JavaScript, AJAX / JavaScript; PL/SQL in Perforce

TeraData | QA Engineer | San Diego | 09/2011 - 03/2012
- o Develop Test Scenarios, Plans in Agile. Validate CLI (command line interface) and Web UI
- o Script BASH, BTEQ automation of Backup, Archive, Restore services on Linux SUSE
- o Prototype with Excel, VBA - Integrate BASH and BTEQ (SQL) functions
- o Track Projects, Manage Tests with JIRA, Glass Factory, Viewpoint

CardioNet | QA Engineer | San Diego | 02/2011 - 07/2011
For Projects: (a) Wearable EKG (Sprint CDMS Handset) (b) Factory flashing Jig
- o Create, Manage, Update Specifications, Protocols and Test for personal Mobile Electrocardiograms
- o Own the QA responsibilities of Sensor/Monitor system including:
  - ▪ Create test metrics of embedded firmware, FHSS, CDMA tools, End-to-End tests
  - ▪ Test Factory jig for flashing embedded EKG WinCE, Database, Web and Desktop GUIs

Qualcomm | FloTV | Senior System Analyst, permanent | San Diego | **10/2007 - 02/2011**
- o Analyze, document, configure, test and report in an Agile / Scrum environment:
  - ▪ Audit SaaS Accounting: Invoices, Vouchers, Oracle, TIBCO, Maximo, Salesforce, Cognos
  - ▪ Mobile / Handset Integration testing: AT&T (GSM) and Verizon (CDMA) UAT
  - ▪ Automate with Quick Test Pro (QTP), Sahi, Selenium. 'Gray box' debugging of ETL packages
    - ◊ PL/SQL packages, ETLs, Pricing Schedule logic, index and field changes with Toad GUI
    - ◊ Billing / Vouchers; hybrid SilverLight tests with QTP Descriptive Programming
    - ◊ Selenium Design: Smoke, Deployment and feature tests.
  - ▪ Create Test Plans, Requirements, Metrics: execute and report KPI with Quality Center, Tibco
  - ▪ Setup, Manage, Execute: HP Quality Center (ALM), JIRA in Agile Environment
- o Tools: VBA, BASH, jMeter, VPNs, SQL, PL/SQL, SOAP, XML, JavaScript and WSDL validation
  - ▪ Business Intelligence: Link and Content quality for 17 websites
  - ▪ Program Guide - Test XML Ingest of Vendor Schedule changes with XML / SOAP

Teleca USA | Senior QE Consultant, Permanent | Solana Beach | 03/2007 - 08/2007
- o QA Design and Test Case Execution: Smoke, Integration, Full, Regression & Verification of Flash User Interface on GSM (TMO) and CDMA (VZW) Handsets: Log and verify bugs in Clearcase
- o Integrate and automate Call Log, Messaging. Embedded GUI tests with Flash / ActionScript and Perl
- o Onsite at Adobe/Multimedia: tested with Embedded Linux, ActionScript, Perforce, Citrix

HDSupply | WebSphere ERP QA Lead | San Diego | 08/2006 - 02/2007
- o QA Lead: upgrading hdsupply.com's SOX policies, Shopping Cart, Inventory ERP (Hybrid SaaS)
- o Install and Automate new LoadRunner Tests: execute with multiple vUsers and servers
- o Establish Document Control. Publish policies. Assign risk, report, track bugs to completion.
- o Validate Web pages, forms and links with CSS, JavaScript, LoadRunner (a variant of C)

OSEC Corp | QA Lead | US Navy ATFP | Escondido | 01/2006 - 05/2006
- o End-to-End QA of JAVA / JSP / JBOSS interface to Linux backend controllers of shipboard devices
- o Document Control: Create Test Plans, User Manuals, Metrics, pivot table statistics
- o Manage SharePoint Web Portal linking live data to Excel pivot tables for tracking bugs and tasks
- o Create full test schedules of Java UI Test Cases. Round-the-clock team stress testing.
- o Deliver, demonstrate User AcceptanceTest (UAT), Deploy to client in Hyannis Port, MD

Symwave | QA Lead | Start-up | San Diego | 09/2005 - 01/2006
- o QA Lead: "Biometric" (fingerprint reader) device, GINA, firmware, USB drivers, software
- o Create Test Plans, Suites, and Manuals. Debug Test Scripts for Products and Processes
- o Liaison between sales, customers and US and China offshore development teams
- o Create installer. Programmed device performance tests, MS-Access bug / tasking tool
- o End-to-End integration test development and execution of biometric device, Desktop, CLI
- o Deliver new Document Control & QA system to CTO, Management and interns

Contract QA Engineer | Kelly | Manpower | San Diego   06/1998 - 09/2005
Nokia Mobile Phones QA Engineer | San Diego | CDMA handsets, firmware, emulators
- o QA of SMS, IOTA, GUI, Bluetooth, Symbian / J2ME firmware, and Emulators (VPN)
- o Led and Create IOTA Specification, Manual and Scripted Tests in Tk/Tcl, Perl and Python
- o Delivered tests of embedded GUI, configuration UI, Desktop utilities, trained offshore teams
- o Developed Test Plans for OTAPI, OMA DRM, MMS. Script Perl, Python tests, crash parsers, etc
- o Served on UAT Team to Sprint Certification lab in Olathe, Kansas

Kyocera Wireless | Siemens | Smart Phone Projects | San Diego
- o QA CDMA / PalmOS GUI handsets with Tektronix, HP tools and Test Expert to:
  - ▪ Flash PRI and operating system files to firmware. Confirm IOTA, OTAPI transfers
  - ▪ Test browsers, 911, SMS, PC sync, contention, Linux firmware GUI on CDMA prototype

Education, Languages
- A.S. Computer Science, 1993. Experience greater or equivalent to BS/CS
- Continuing Education: Qualcomm (QTP, OFDMA/OFDM); Audatex (Android, Security)
- Conversational Japanese

Security / Work Authorization | Volunteer
- Secret clearance: US Navy (2008). U.S. Citizen with passport
- Nuclear clearance: US D.O.E Hanford; WPPSS; SONGS projects
- HAM Radio General Class | CERT / FEMA certified