**OBJECTIVE: QA Engineer**

**TECHNICAL SKILLS:**

**OPERATING SYSTEMS:** Windows, Linux, Mac OS, Unix, LynxOS

**LANGUAGES and TECHNOLOGIES:** Java, C, C++, C#, Python, JavaScript, Perl, Ruby, VBScript, shell scripting Bash/ksh, Objective-C, Apache PIG

JUnit, TestNG, Ant, HTML5, DOM, XML, JSON, CSS, PL/SQL, T-SQL, AJAX, Eclipse, Jira

**WEB BROWSERS:** Internet Explorer, Mozilla FireFox, Safari

**DATABASES:** MS SQL Server 2008, Oracle 11g, MySQL

**AUTOMATION TOOLS:** Squish (JavaScript, Python), Selenium 2.0(TestNG, JUnit, Java), HP Quick Test Pro, TestComplete (Jscript)

**TEST COVERAGE TOOL:**  Emma

**PROFILE:**

Motivated self-starter with proven ability to adapt and thrive in multiple environments. Experienced in but not limited to various engineering skills, QA design, test and verification, application development and databases.

**HIGHLIGHTS OF QUALIFICATIONS:**

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* Working knowledge of software development life cycle and Quality Assurance methodologies
* Java, C#,C/C++, VB.NET, PERL, JavaScript, Python, VBScript, PL/SQL, T-SQL, PIG, **Ruby**, Unix shell programming experience with excellent analytical and logical skills
* Extensive experience in Windows and Unix/Linux System, Unix administration skills
* Experience testing WEB UI (Selenium, TestComplete), multi-threaded, voice (VoiceXML), mobile, GUI (Squish) , embedded, .NET applications, Web Services APIs (REST) and operating system
* Cloud Technology Hadoop
* Jenkins CI
* Automated and manual testing experience for System, Functional, Regression, Integration, User Acceptance, UI, Stress, Networking, Performance, Stress, and Unit Testing
* Ability to create test plans, detailed test cases, and understand application requirements
* Ability to work independently and in team environment
* Ability to learn new technologies and products quickly
* Experience working with offshore test teams
* Experience working in Agile Development Environment

**PROFESSIONAL EXPERIENCE:**

**Bio-Rad Laboratories, Hercules, CA 07/2012 – 12/2013 (contract)**

**QA Engineer**

Tools and Environment: Windows 7, Jenkins CI, Froglogic Squish GUI Automation (Javascript, Python), Seapine TestTrack Defect Tracking and Test Case Management, Rally Agile Project Management, VMware,

Perforce Version Control, CodeCollaborator for Code Review, SQLight

* Performed automated and manual testing of Bio-Plex Manager MP (MAGPIX) software
* Developed automated scripts in JavaScript and Python
* Tested software installation using VMWare
* Functional, Performance, Integration, and Recovery testing
* Setup Jenkins nodes and debugged Jenkins Jobs

**Gap, San Francisco, CA 04/2012 – 06/2012 (contract)**

**Automation Engineer**

Environment: Linux, Windows, Eclipse, SVN, VM, Jira, SQuirreL SQL Client, Jenkins CI, HP Quality Center 10.0

Agile Scrum

* Performed manual and automated testing of Old Navy (Japan) POS
* Developed automated test scripts in **Ruby**
* Jenkins CI build debugging

**Yahoo, Sunnyvale, CA 03/2011 – 2/2012 (contract)**

**Sr. Automation Engineer (ETL)**

Projects: Segment Manager, Opportunity, Historical data warehouse Anonymization, IPv6, SearchTerm

Environment: Linux, Windows, SVN, Hadoop, PigUnit (Java), Bugzilla, TestNg/**Selenium** 2.0 (WebDrive), Ant, REST Assured

* Tested Web UI and Web Service APIs of Segment Manager 3.1 using Oozie Web Console
* Developed automation scripts in **Selenium** 2.0 (Java) using WebDriver for Segment Manager 3.1
* Designed Test Plans for multiple ETL/UDA projects (Opportunity, Epoch, IPv6, YMetaData)
* Developed automated test scripts in Perl and PIG (Sequence Projector and ULT Loader)
* Modified and updated unit tests using PigUnit (Java)
* Performed data analyses and generated reports from warehouse, ABF1 feed, Opportunity (FETL 2.x) and Legacy (FETL 1.x)
* Ran Hadoop Jobs on Grid, Warehouse data mining
* Validated data based on product requirements
* Submitted and verified defects using Bugzilla

**Yahoo, Santa Clara, CA 11/2010 -12/2010 (contract)**

**Sr. Automation Engineer**

Project: NGD Forecasting

Tools: Test Manager, Ax247, Hudson, Bugzilla, yinst, yinst\_create, igor

Environment: Linux, Windows, SVN

* Developed automated framework and automated tests in Perl
* Implemented integration of test framework with Hudson using Ax247 and Test Manager APIs

**SunPower Corp., San Jose, CA 8/2009 – 4/2010 (contract)**

**Sr. QA Engineer**

Projects: SMS 1.2: Residential Monitoring System, Dealer and Admin Monitoring System

Environment: Window XP, Mac OS X, Windows Server 2003 R2

Browsers: Mozilla FireFox 3. 6, IE 7.0/8.0, Safari 4

Web Debuggers: Fiddler 2, Firebug, HTTP headers

Tools: Selenium RC(Java), Flex, Adobe Flash Player, C#, SQL Server 2005, Jira 4.0, Confluence, TestLink 1.7.4, WebORB Presentation Server, JUnit

* Designed and implemented Automated tests for Dealer Monitoring System application using **Selenium** 1.0.2 in Java
* Performed automated and manual testing of **multiple-tier** software developed in Flex, AJAX and server-side application developed with .NET and XML Web Services
* **Provided leadership and training to other QA Engineers (offshore team)**
* Tested UI, APIs (via xml, json or weborb calls), and T-SQL stored procedures
* Tested web UI applications that graphed system parameters, performed hardware/system configuration support, provided performance reports and diagnostic data, generated alerts, sent emails, provided end-client search capability
* Performed data validation in UI and SQL Server 2005
* Created automated test cases in Selenium (JUnit) for functional UI application testing, compared results with db
* Deployed builds
* Tested IPhone application (SunPower Residential Monitoring System)
* Reported and verified UI, API (REST) and database related bugs
* Worked on production issues after release
* Worked closely with software engineering team and International QA team to resolve issues

**DOLBY LABORATORIES Inc. San Francisco, CA 2/2009 – 6/2009 (contract)**

**Automation Design Engineer, Software Test**

Project: Dolby Multimedia Mastering Encoder

Environment: Linux, Windows XP

Tools: TestComplete automated tool, PuTTY, DevTrack 5.6 defect tracking

* Designed and implemented Automated tests of Multimedia Encoder application using TestComplete
* Designed an automation framework and provided data verification using Test Client Windows application
* Developed scripts in JScript for GUI automated test of Java application
* Debugged scripts using TestComplete debugger
* Created automated test cases based on the product specification and GUI Interface
* Used issue-tracking subsystem and logged bugs in defect tracking system
* Designed scripts for Project Setup, Room Setup, Digital Encoder/Decoder Settings, Noise/Tone Generator, Reels recording and System Control of Dolby Multimedia Encoder
* Performed Black box load and stress test of the application
* Worked with the engineering team to help resolve issues

**Microsoft Corp. Mountain View, CA 4/2008 – 9/2008 (contract)**

**QA Engineer (Automation and Manual)**

Projects: 1-800 FANDANGO, Toll-free directory assistance (1-800-555-1212), Driving Directions from Business Search (1-800 –TELL), Driving Directions for Ford voice-activated hands-free in-car system.

Environment: Solaris, HP-UX, Windows Vista, VXML, JavaScript, AJAX, Java, XML, Perl, Shell, Apache

Tools: Wiki for document management, Deploy2, Bugzilla for bug tracking, Visio, CVS

* Performed White box and Gray box functional, integration, and regression tests of Microsoft Voice XML applications in an Agile software development environment
* Created test cases for front-end voice application testing based on the UI call flow and test specifications
* Created test cases in Perl for back-end web API testing
* Developed and debugged Perl scripts in Unix to simulate client’s back-end application and XML outputs via HTTP GET requests (Web Services) based on API specification
* Tested audio files and SMS messages sent to the landline and cell caller
* Performed forced-error API back-end and VXML front end tests
* Wrote bash scripts for log data analyzes and event tracking validation
* Verified HTTP status codes and system response time
* Reported and verified bugs, updated bug tracking database
* Reviewed and analyzed functional specification requirements documentation and presented test cases for project team to review
* Developed informal test plans based on the specification requirements and software flow charts
* Deployed tested applications to production
* Worked closely with developers and project managers to resolve issues

**Confidetrade Corp. San Francisco, CA 6/2003 – 3/2008**

**QA Engineer**

Confidetrade is automated and manual forex and securities trading company.

* Developed reports in VB.NET and C# (Visual Studio 2005) for data analysis using MS SQL Server 2005 and ADO.NET
* Performed automated functional and integration tests of financial application “Multibank FX” written in C#.
* Ran data and performance analysis with VB.NET, SQL Server 2005, Oracle 10g, and Excel

**LynuxWorks Inc. San Jose, CA 01/2000 – 01/2002**

**Software Engineer**

LynuxWorks is a software company that developed the LynxOS Unix-like RTOS (real-time operating system).

**Software QA Experience:**

* Developed test cases in C/C++ for unit testing of C/C++ applications
* Performed automated and manual testing of LynxOS (releases 3.0, 3.1, 4.0) and Embedded Blue Cat Linux
* Executed Automated Test Suites that included over 100 tests including web, performance, stability, load, stress, compiler, and networking (netperf). Analyzed the results and modified test scripts if required.

Networking tests included PPP, SMTP, SNMP, TCP, UDP, FTP, HTTP, and TFTP protocol

* Set up test environment for automated testing across several microprocessor platforms. Netbooted x86 and PowerPC machines from a server using ARP and TFTP
* Used CodeTest for condition/decision coverage of the kernel and libraries
* Worked with Bios, Motorola and Force firmware to load OS
* Used in-house defect tracking database for bug tracking and reporting

**Programming Experience (BSP Engineer)**:

* Ported LynxOS (Unix like) kernel and device drivers to Motorola and Force VME, PCI, CPCI boards
* Performed LynxOS modification and debugging in C using gdb, skdb, and CodeTest code coverage tool
* Reproduced and fixed both internal and external (customer) bugs
* Performed real-time programming in C to verify performance requirements
* Developed software documentations for new BSP (board support package) boards
* Worked closely with developers, QA and support engineers throughout the resolution of reported defects
* Participated in code and documentation review

**NASA AMES Research Center, TechnoScience Corp. Moffett Field, CA 6/1998- 12/1999**

**Software Engineer**

The SOFIA Water Vapor Monitor Project (scientific instrument)

* Design and implementation of the schedule manager software (firmware) that included data acquisition tasks (DAS) and devices monitoring on timely bases and handled data transmission through RS232
* Unit, functional, Software/Hardware integration, and system white box testing of the WVM embedded application
* User Acceptance test planning, test cases design and execution
* Requirements validation analysis based on Test Plan and product requirements
* Functional testing of control management software
* TCP/IP client and server programming in C using TCP/IP sockets API
* Unix terminal I/O programming in C
* UNIX shell scripting for data analysis and Software/Hardware integration test
* Software Requirements development based on product needs and system requirements
* Test documentation development

**EDUCATION:**

1998 BS in EE San Francisco State University

2000 LynxOS Device Drivers, Real-Time Programming, Internals, Building Embedded Systems with BlueCat Linux

2008 Web Design using JavaScript, CCSF

2009 Oracle 11g Administration, CCSF

2011 Advanced Java, CCSF

2014 Objective-C, CCSF