
Overview

- Software Engineer in Test with proven success in developing manual and automated software test solutions for specialty insurance, healthcare / senior care solutions, clinical experiments, statistical analysis, and LIMS (Laboratory Information Management System)
 - Provide Cross-discipline and cross-functional support through SDLC for senior care or health care industry applications
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Software Engineer in Test Experience

- Testing, hardware and software requirements gathering and evaluation of web applications, LIMS (Laboratory Information Management System) and instrumentation/imaging systems (.NET/C#)
- Language experience: JavaScript, C#, CSS, Java, C++
- Database experience: MongoDB and MS SQL server.
- Selenium WebDriver with C# (MSTest / NUnit with SpecFlow) or Java (JUnit)
- JavaScript UI test:
 - Cypress test
 - DarlekJS
 - puppeteer.js, cucumber.js and chai
 - Ember.js Acceptance test
- General project management tool: JIRA, TFS, Azure DevOps
- General test tool: TestRail, Trello and TestPad

Professional Experience

Software Developer in Test

American Specialty Health, Inc.

2017 – Present

- Develop test automation following behavior-driven development process to facilitate cooperation between product owner, developer and testers
 - Cypress test for browser application with Codeship from CloudBees
 - Selenium WebDriver with C#, MSTest and SpecFlow in CD/CI (VSTS)
- Create and manage product backlog item (PBI) on Team Foundation Server to enable non-blocking workflow with Scrum process
- Train manual testers to draft BDD style test feature files for SpecFlow to encourage knowledge sharing with Gherkin language
- Performance test and Load test with visual studio enterprise or JMeter to handle up to more than 1 million concurrent user
- Postman Web API test in JavaScript and integration with VSTS CD/CI pipeline
- UI test with Node.js application like puppeteer.js, cucumber.js and chai
- Ember.js Acceptance test with BDD addon (ember-cli-yadda)

Software QA Lead / Software QA Engineer

GreatCall, Inc.**2015 – 2017**

- Develop black and white box testing strategies and test automation framework:
 - Selenium WebDriver with C# (NUnit with SpecFlow option)
 - Test harness via Web API
- Work with stakeholders to verify acceptance criteria and test coverage. Create, track, and reproduce software issues reports in designated defect tracking System (Zephyr for JIRA).
- Compile, update, execute/automate regression test plan for ecommerce web application
- Support cross-functional teams: Frontend and Backend Developers, Product Managers, third party vendors and other QA groups
- Develop frontend view and model modification for shopping cart workflow with JavaScript, CSS and HTML in ASP.NET MVC project
- Manual mobile App and embedded devices test
- Coordinate and delegate QA effort across functional groups for efficient test execution

Software Engineer/Test Engineer**AltheaDx****2014 – 2015**

- Define, verify and review LIMS requirements with end users (Clinical Laboratory Scientists) against regulation standard such as ICD-9-CM Diagnosis and Procedure Codes
- Execute manual / automated test (with Java), record and validate software systems behaviors and generated reports to prevent regression
- Data-Driven Test with genetic data (with Java)
- Develop SQL queries to verify specific genotype and/or patient data
- Develop training library with version control and WIKI in SharePoint / TFS.
- Instrumentation of software with C# with Debug and Trace class

Associate Scientist / Instrument Specialist**Millennium Laboratories, Rancho Bernardo, CA****2012 – 2016**

- Review and trouble-shoot LC-MS-MS data and instrumentation for specialty physicians.
- Develop C# script for data analysis automation

Research and Development Scientist**K.C. Pharmaceuticals, Pomona, CA****2012**

- HPLC method development for pharmaceutical active ingredients for QC purpose
- Compile SOP for GMP production practice.

Analytical Chemist**Huntington Medical Research Institute, Pasadena, CA****2011-2012**

- Developed Multiple Reaction Monitoring (MRM) method for over 50 fatty acid

Research Associate**Siemens medical solution diagnostic (US), Los Angeles, CA****2006-2010**

- Up-Scale R&D samples, validated protein concentration and reactivity of biotinylated allergens samples with EXCEL programming
- Usability test and troubleshooting imaging system with software developer.
- Program TECAN instrument for assay automation.

MSDS Excel database management**Custom Environmental Services, Santa Barbara****2006**

- Managed, archived and updated MSDS database to FDA standard for Proctor and

Gamble facility in Oxnard, CA.

Language: Speaks and writes fluent Chinese

EDUCATION:

University of California, Santa Barbara

B.S., Chemistry, March 2006

Palomar College, San Marcos

A.A., Computer Science, September 2014

References – available upon request