

## Professional

Software Development Engineer in  
Test  
Performance Engineer

7 Years +

**Address:**

603 Bristol Ct, Brentwood, CA

**Phone:**

(860)-794-4532

**Email:**

peter\_9012@hotmail.com

**Portfolio:**

<https://www.yulan.agency>

**GitHub:**

<https://github.com/peter9012>

## Personal Statement

A goal-oriented Software Test Automation Engineer with excellent analytical, interpersonal and problem-solving skills. An insightful decision maker who makes the right judgments and changes the consensus to get high-quality results. An expert plan, develop, resolve, optimize, organize, direct and evaluate software development life cycle and automation testing processes. A result oriented professional with a great ability to contribute to organizational goals and objectives. Focus on strategies and methodologies to enhance software quality assurance performance.

## Skills

**Software Testing:** Functional, Database, Performance, Desktop Applications and Web based UI Testing, and Web Services Backend Testing, Agile (Scrum), Waterfall, SDLC and STLC

**Technical Leadership:** Estimations, Project Planning and Project Scheduling, Project Execution, Task Assignment, Tracking and Status Reporting, Risk tracking and Management, Team Coordination and working with various Cross Functional Teams

**Testing tools:** Selenium (Selenium IDE, Selenium RC, Selenium Web Driver), Cucumber, Capybara, TestNG, JUnit, QTP, Appium, Postman, LoadRunner JMeter and Gherkin

**Test Build:** Maven, GIT, XCode, Android Studio, Jenkins and Bitbucket

**Programming Languages:** Java, Ruby, JavaScript Groovy, C, C++, Python, C#, Shell Script

**Databases:** MySQL, Oracle, SQL Server

**Testing Framework:** Data-Driven, Keyword-Driven, Hybrid, Behavior Driven Development (BDD) and Page Object Model.

**Web services:** RESTful Web Services

**Browsers:** Internet Explorer, Mozilla Firefox, Google Chrome, Safari, Opera

**Markup Languages:** HTML, CSS, XML, XPath, CSS Selector

**Platforms:** Windows, Linux, Mac OS

**Other Tools:** Visual Studio, JIRA

# PETER(DONGHUI) LU

## Work Experience

### Zendesk | San Francisco | CA

Senior Software Engineer

Oct 2021 – Present

- Develop framework from scratch for using Cypress to automate UI with JavaScript, NodeJS, and NPM, then mocking API testing using Cypress.
- Involved in the design and implementation of browser integration tests using Ruby, RSpec, Capybara and Selenium drivers.
- Configure the test suite to Jenkins to make it run on every successful deployment, which helped reduce the feedback loop time to the developers.
- Responsible for managing teams and conducting automated tests aimed at checking product quality.
- Analyze test requirements, develop test plans, centralize the bugs, and track the defect status in the test management tool Jira.

### Rakuten | San Mateo | CA

Senior Software Development Engineer in Test

May 2017 – Oct 2021

- Responsible for gathering requirements and specifications, project planning, and identifying the resources and implementation of the project.
- Analyze and verify best-automated test approaches and execute functionality, integration, performance, and usability testing.
- As a lead involved in product design to guarantee the adherence to test coverage for meeting end-user requirements.
- Design and implement a hybrid test automation framework using Cucumber/Capybara/Selenium/Ruby framework and Page Objects Model for a design pattern.
- Developed BDD script with Cucumber and written step definition using Gherkin-based features.
- Automate the validation of RESTful API response using REST clients.
- Used APPIUM as a server for mobile app testing on iOS and Android systems.
- Worked with AWS cloud machines to set up selenium grid.
- Execute SQL queries and managed to handle data sets from Oracle Database 19c.
- Administered and Engineered Jenkins for managing weekly build, test, and deploy chain.

First Tek Inc | Piscataway | New Jersey

### Rodan + Fields (Contract) | San Francisco | CA

Quality Assurance and Performance Engineer

Oct 2015 – May 2017

- Organized weekly meetings with client leads & onsite manager regarding the automation status.
- Created the TestNG automation testing framework for web applications using Selenium Web Driver and Java using agile methodology.
- Redesigned the current data-driven and keyword-driven framework using the Page Object and Page Object Factory model and manage framework using Maven.
- Recorded test results and verified software bug fixes to accept automation criteria.
- Handled performance testing using JMeter with Groovy scripts then presented results for validating and analysis to project teams.
- View the results JTL file ((JMeter results)) created in NON-GUI mode through JMeter listeners.
- Performed load tests to validate system performance and stability.
- Capacity planning and executing the load test, stress test, and endurance testing as part of performance observation and to identify bottlenecks.
- Provided technical assistance to improve system performance, capacity, reliability, and scalability
- Oversaw system performance lifecycle and identified key metrics for performance improvements.
- Prepared software defect tracking and report the entire project release status to stakeholders.

### ECALIX Inc | Pleasanton | CA

INTERN Quality Assurance Engineer

March 2015 – Sep 2015

- Analyzed test results and worked with engineers to perform bug fixes.
- Analyzed the business requirement document and designed test documents.
- Involved preparation of traceability matrix and mapping of the test cases with the requirements and test metrics in QTEST.
- Tested application compatibility on different browser versions (IE, Firefox, Safari, and Chrome) across multiple platforms (Windows, Linux, Mac OS).

## Education

University of Hartford | West Hartford | Connecticut

Master of Electrical Engineering

University of Shanghai | Shanghai | China

Bachelor of Computer Science