**Dong, Fangxiao (Fisher)**
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(859) 559-7926
https://fangxiao-dong.github.io/cv/

## QUALIFICATIONS

**Languages:** JavaScript (Node.js), Bash/Shell, Python, Groovy, HTML/XML, JSON, YAML, CSS

**RDBMS:** MySQL, SQL Server, Postgresql

**Development Environment:** Linux/Unix/Mac OS X, Windows

**Editor/IDE:** Visual Studio Code, Nano, Notepad++, Visual Studio

**Version Control:** Git/Github, Team Foundation Version Control (TFVC)

**Test Automation Frameworks/Runners:** Selenium Webdriver, Applitools, Protractor, Appium, Jest, Karma, custom REST API Test framework, AVA, Tape

**Cross Browser Test Automations:** SauceLabs, BrowserStack

**Continuous Integration/Delivery:** Jenkins Scripted Pipeline, Travis CI, Azure Devops (VSTS)

**Software Development Life Cycle (SDLC):** Agile/Scrum, Kanban

**Technical Writing/Documentation:** Confluence, Markdown, Microsoft Office, Google Docs/Sheets

**Other:** JIRA**,** TestRail**,** Accessibility (a11y)/WCAG2.0, AWS EC2/S3, Splunk, Slack, Attention to Details

## EXPERIENCE

### Software Engineer, Automation and Tool

Rally Health, Washington DC, USA                                          **11/2019 to Present**

- Taking the role of subject matter expert on Rally's CI/CD platform Jenkins to migrate and document services build, test and deployment pipelines from Jenkins Enterprise to Cloudbees Jenkins Enterprise
- Utilizing Groovy, Python, Github API and JIRA API to enhance the automation of weekly release notes generation and smooth out the process for stakeholders to sign off the release
- Leading the development and continuous improvements of internal tooling using Node.js, Python, Jenkins Pipeline and Github API to efficiently diff the result of large data ingestion and service's response against baselines to minimize the risks of data regression
- Creating new and improving existing Jenkins shared pipeline libraries to modularize components that can be reused across pipelines
- Collaborating with other members from the team to come up with a plan to set up QA process where everyone owns the testing

### Senior Software Development Engineer in Test

Evolent Health, Arlington, VA, USA                                          **01/2019 to 08/2019**

- Developed test automation scripts in Appium Java Client and JUnit for both iOS and Android mobile applications designed to engage patients on Medicaid and Medicare
- Led the efforts to migrate mobile application testing framework from Xamarin Test Cloud to Visual Studio App Center
- Integrated UI tests into Azure Devops CI/CD (previously known as VSTS) to trigger nightly regression test run
- Led the API test automations separate from UI automations as part of the efforts to reduce the number of flaky UI tests while improving the regression test coverage

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**Software Development Engineer in Test**

Oracle (UGBU previously known as Opower), Arlington, VA, USA          **11/2015 to 01/2019**

- Designed and developed test plans for end to end automation UI regression for cloud based web applications accessed by millions of customers of both domestic and international utility companies
- Created in Node.js End to End API test automation scripts for micro web services that power the front end widgets
- Integrated test suites into CI system through Jenkins Scripted Pipeline
- Developed the test automation framework utilizing the third party Visual Regression Testing technology for the delivery team to standardize testing processes
- Prototyped an ad-hoc testing framework to assist the End to End web applications testing before User Acceptance Testing
- Led the development of tooling in JavaScript to improve the localization QA process within the organization
- Identified and troubleshot application issues through reviewing application logs on the application servers or by the Splunk query results/dashboards
- Led the discussion within the team and across teams with stakeholders (EM/PM/Dev) regarding testing strategies, scopes and improvements
- Maintained testing environments across different tiers for application report databases and servers in Linux/Bash/MySql environments
- Summarized and documented testing plans, scripts and best testing practices into Standard Operating Procedures(SOPs) to benefit inner/inter team cooperation
- Conducted accessibility audits for the web widgets in accordance with WCAG 2.0 rules
- Managed in a Scrum team the testing responsibilities to ensure optimal qualities of Oracle products

**Software Test Engineer**

Lexmark International, Lexington, KY, USA          **06/2013 to 10/2015**

- Led the development of tooling in Python/VB scripts to develop side by side strings lookup/comparison database for both Unicode and non-Unicode languages
- Developed automation solutions in Bash for application installations and configurations
- Created and executed automated and manual test cases for Enterprise Content Management software
- Met standards for software quality and maintaining thorough documentation
- Identified, interpreted and reported defects and updating bug database

**EDUCATION**

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|---|---|
| **University of Kentucky** | **Lexington, KY, USA** |
| **Master of Science, Mechanical Engineering** | **08/2010 to 08/2013** |
| | |
| **Shanghai University of Electric Power** | **Shanghai, China** |
| **Bachelor of Engineering, Thermal and Power Engineering** | **09/2003 to 07/2007** |