

# Hongfei Zhou

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I have 6+ years technical experiences in website development, testing and deployment. Building global site with different tech stacks and various main stream utilities. Have worked on developing frontend, backend, CI/CD, automation platform.

## Key Skills

- **Programming Language:** Java, Python, Scala, Javascript.
- **Backend:** Spring MVC, Django, Playframework, RESTful Service.
- **Frontend:** HTML, CSS, AngularJS.
- **Database:** Oracle, MongoDB.
- **Tools:** Linux, Maven, Jenkins, TestNG, Git.
- **Machine Learning:** Logistic Regression, SVM, NN, CNN, RNN, etc.
- **Automation:** Selenium for frontend. Customized libraries for backend.

## Experience

### Senior Software Engineer @ StubHub, eBay Inc, *from 2012.6 to present*

- Lead developer for **Price Markdown**. Design the structure and implemented the feature for marking down prices.

Leverage Java 8 & multi-threading & Couchbase to perform high performance price markdown. Giving the business team the ability to adjust the price throughout the entire site.

- Lead developer for **Test Data Service**. Designed the architecture of system and implemented the backend of the system.

Using Java with Spring MVC to build a web service for serving test data. System is built with MongoDB for data storage and Jenkins for data generation.

- Designed and implemented the frontend and backend for **User Traffic Diagram**.

Using Jenkins to periodically fetch data from QM and build a diagram that indicates the real user traffic of the site. Diagram is served with Java/Spring.

- Designed the framework for **Native APP automation** based on selenium.

Using Java and Selenium to build a base framework for supporting Native APP automation, including local run and remote grid run.

- Lead the development of **Test Execution System**. Designed the structure of both frontend and backend. Implemented frontend code and major backend code.

Built a system for executing automation testing. Using Java/Spring MVC/AngularJS to build the system. Data storage is done by MongoDB. Test execution with Jenkins. System is also integrated with JIRA to periodically update TC information.

- Solely designed the structure of **API automation framework** and implemented both **API framework** and **responsive web page framework**.

Using Java and URLConnection to build a automation framework for testing SOAP and RESTFul API. Integrated the system with existing UI testing framework, including life cycle management, logging and report generation.

- Lead developer of **Test Coverage System**. Designed the structure and implemented code for frontend and integrated the system with JIRA.

Built a system to show the automation coverage of all test cases. System is built with Scala/Play Framework/AngularJS. Also integrate with JIRA to sync the TC information.

- Designed and implemented a **new report with video replay** for automation testing.

Using Javascript/CSS3/HTML5 to build a new report with video replay for automation result.

- Participated in defining the **version process** for all QE artifacts which aligned with our production version and provided multiple utilites and support for adoption.
- Supported teams to switch to CI/CD. Upgrade JDK from 1.7 to 1.8 for entire production stack.

## Education

- **Bachelor of Engineering, Computer Science**, Shanghai Jiaotong University, 2008 - 2012.