

# Katherine (Xu) Liu UI Developer

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## Professional Summary

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- 6+ Years of professional experience in various phases of Applications Design, Development, Installation, Implementation, Maintenance, Debugging of various Client/Server Web Applications.
- Experience in designing User Interface (UI) applications and professional web applications using HTML4/5, CSS2/3, JavaScript, jQuery, DOM, AJAX, JSON, XHTML and XML.
- Competent in developing and designing web pages efficiently using jQuery, jQuery UI and jQuery mobile.
- Experience in making Responsive Web Pages using Media Queries and Twitter Bootstrap.
- Expertise in Twitter Bootstrap framework and building responsive website for both desktop and mobile browser users.
- Hands on experience on CSS preprocessors such as LESS and SASS.
- Experience with JavaScript MVC Frameworks such as Angular JS.
- Expertise in Client Side designing and validations using HTML, DHTML and JavaScript.
- Sound Understanding and good experience with Object Oriented Concepts, Object Oriented JavaScript, Object Oriented Design and Implementation.
- Developed cross browser compatible pages using Modernizer to ensure proper working of CSS2/3 and HTML4/5 features.
- Expert at creating functional specifications with visual design mockups in Adobe Photoshop, Adobe Illustrator and Adobe Flash.
- Excellent experience in developing web pages complying with Web Content Accessibility Guidelines (WCAG) and ability to apply W3C web standards.
- Hands on experience working on different browsers like Safari, Internet Explorer, Mozilla Firefox and Google chrome and checking cross browser compatibility.
- Excellent communication skills and can work in a team as well as an individual.
- Good Understanding of Document Object Model (DOM) and DOM Functions compatibility and SEO/Web Standards.
- Experience in working with third party web services APTs and Web Services using AJAX and jQuery.
- Worked with teams where requirements are constantly being implemented, tested and improved.
- Excellent understanding of Software Quality, Configuration Management and Software Release Practices.

- Experience managing daily communication with an offshore development teams.
- Experienced to work in Agile Environment and worked with the Project Management tool like JIRA.

## Technical Skills

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Languages	JavaScript, PHP, CSS, HTML5
Data Storage	SQLite, MySQL, Core Data
Web & Web Apps	jQuery, AngularJS, Bootstrap, Wordpress, Joomla, Underscore.js, Backbone.js, Node.js, jQuery mobile, Phonegap (Apache Cordova), JSON, XML, REST, SOAP
Creative Skills	Adobe Photoshop, Illustrator, InDesign.

## Professional Experience

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**Lenovo**, Morrisville, NC – June 2014 - Present

### UI Developer

Description: Lenovo Group Ltd. designs, develops, manufactures and sells personal computers, tablets, smartphones, workstations, servers, electronic storage devices, IT management software and smart televisions.

#### Responsibilities:

- Gathered and analyzed the requirements and converted them into User Requirement Specifications and Functional Requirement Specifications for the designers and developers to understand them as per their perspective.
- Developed HTML prototypes and UI deliverables, such as wireframes, flowcharts, screen mock-ups, and interface design specifications.
- Responsible to manipulate HTML5, CSS3 in jQuery as well as making the pages dynamic using AJAX, JSON and XML.
- Designed and developed JavaScript framework, which is wrapper on top of jQuery framework and AJAX, based UI framework for UI configuration widgets.
- Worked one-on-one with client to develop layout, color scheme for his website and implemented it into a final interface design with the HTML5/ CSS3 & JavaScript using Dreamweaver (phpStorm).
- Developed different jQuery component in MVC micro architecture framework, which internally use various design pattern such as singleton, command,

delegate, etc.

- Enhanced user experience by designing new web features using MVC framework like Backbone.js, Require.js, and Ext.js, accommodate these advanced and fast technologies.
- Used the Node.js and Angular.js MVC frameworks in the development of the web applications.
- Used JavaScript DOM manipulation and JavaScript event to generate the data result in UI.
- Used AJAX frameworks like jQuery, JSON to develop rich GUIs and also involved in performance tuning the website.
- Ported and redesigned the lead management system using Angular.js frameworks implementing modular design.
- Used JavaScript DOM manipulation and JavaScript event to generate the data result in UI.
- Involved in enhancement of existing application utilizing JSP, created HTML navigation menu that is role based menu items changes dynamically, derived from the database in the form JSON.
- Developed Web Services for data transfer from client to server and vice versa using Apache Axis, SOAP, WSDL, and UDDI.
- Involved with cross browser testing and compatibility using Google Chrome, Firefox and Internet Explore.
- Co-ordinate with QA for testing, production release, application deployment and integration.
- Involved in production support and minor enhancements as per application requirements.

Environment: HTML 4/5, CSS 2/3, jQuery, JavaScript, AJAX, XML, JSP, JSON, MVC, DOM, Adobe Dreamweaver, Angular.js, Backbone.js, Require.js, Node.js, Bootstrap, Ext.js, Internet Explorer, Firefox, Google Chrome, Oracle, Windows.

## **Schneider Electric SE, Rockville, MD - December 2013 – May 2014**

### **UI Developer**

Descriptions: Schneider Electric SE is a European multinational corporation that specializes in electricity distribution, automation management and produces installation components for energy management. The Group invests in R&D (Research and Development) in order to sustain innovation and differentiation, with a strong commitment sustainable development.

### **Responsibilities:**

- Involved in the analysis, system study and designing of the project.

- Developing a web based application from a window based application
- Developing webpages using HTML5, CSS3, JavaScript, jQuery, Angular.js, Bootstrap and JSON.
- Experience in using SQL for storing data in the database.
- Experience in using Bootstrap, which can easily manipulate modal windows alerts, tooltips, scroll spy, popover, button, type head, etc.
- Used various bootstrap components like accordion, date picker, time picker, alert, buttons, modal etc.
- Experience in using ng-frid for rendering rows and columns.
- Sound Understanding and good Experience with Object Oriented Concepts, Object Oriented JavaScript Object Oriented Design and Implementation.
- Defined new validations through Angular.js for the form field validation implemented through HTML5
- Used JASMINE for writing unit test
- Usage of JSON for faster and impulsive responses
- Involved in writing application level code to interact with APIs, Web Services using AJAX, JSON
- Experience in using GIT for pulling and committing the developed content from/to the GIT repository
- Good experience of debugging JavaScript, CSS3, and HTML5 code
- Designed applications that execute on various browsers such as Internet Explorer, Mozilla Firefox, Google Chrome, and Opera using various debugging tools like Firebugs/IE Developer Tools
- Excellent interpersonal abilities, communication skills, time management and team skills with an intention to work hard to attain project deadlines under stressful environments
- Highly curious about new front-end development technologies and thoroughly mastering them with a keen awareness of new industry developments and the evolution of programming solutions
- Worked closely with the project management and marketing team to completely define specifications to help ensure project acceptance
- Involved in understanding functional specifications and developing creative solutions to meet business requirements
- Follow up with the development team on the improvements, integration and further enhancements in the website
- To release the enhancements within the specified timeline communicated

Environment: HTML5, CSS3, JavaScript, jQuery, JSON, Twitter Bootstrap, Angular.js, Sublime Editor, GIT, phpStorm

**Delta Air Lines**, Atlanta, GA – September 2012 – November 2013

## **UI Developer**

Descriptions: Delta air Lines, Inc. is a major American airline, with its headquarters and largest hub at Hartsfield-Jackson Atlanta International Airport in Atlanta, Georgia.

### **Responsibilities:**

- Created workspace with default packages and util classes.
- Developed business logic and consuming web services.
- Building code using Maven Tool.
- Implemented internationalization for different markets (e.g. Canada, Great Britain, Australia, David Jones, Germany, Italy, France, Japan, Mexico)
- Worked on agile base development cycle with a weekly release schedule.
- Involved in complete SDLC life cycle – Designing, coding, testing, debugging and production support for over 3+ projects.
- Responsible for creating the screens with table-less designs meeting W#C standards.
- Used JavaScript to update a portion of a web page thus reducing bandwidth usage and load time in web pages to get user input and requests.
- Involved in various process related activities like analysis, development, defects tracking in different phases (SIT, UAT) and monitored them to the closure.
- Integrating code in SVN, delivering code stream and creating new base line for updated code as a daily activity.
- Coordinating with different vendors like iCM (Interactive Content Management).
- Coded JavaScript for page functionality and Pop up Screens and used HTML5, Twitter Bootstrap to make dropdown menus on web pages and display part of a web page upon user request.
- Effective use of CSS3 features use as borders, backgrounds and multiple columns.
- Involved in writing SQL Queries, Stored Procedures and Triggers.
- Used Twitter Bootstrap and Angular.js for effective design of web pages.
- Worked on implementing directives and scope values using Angular.js for an existing webpage.
- Wrote code to implement AJAX based applications by fetching the response from back-end APT as a part of JSON.
- Designed, developed and updated User Interface web forms using CSS, Dreamweaver and JavaScript.
- Involved in enhancement of existing application utilizing Angular.js, created HTML navigation menu.
- Worked on cross browser compatibility issues and fix the bugs pertaining to various browsers.
- Worked closely with Photoshop designers to implement mock-ups and the

layouts of the application.

- Used CSS sprites to decrease the number of HTTP requests and load time of web pages.
- Worked closely with team members to meet the client requirements.

Environment: HTML5, CSS3, Twitter Bootstrap, JavaScript, jQuery, JSON, Angular.js, Agile, Eclipse, MS Office, Dreamweaver, CS5

**Aflac Inc.**, Silver Spring, MD - July 2010 – August 2012

### **UI Developer**

Descriptions: Aflac Incorporated is an American insurance company and is the largest provider of supplemental insurance in the United States, founded in 1955 and based in Columbus, Georgia. This project involved developing and modifying web application that highlights products /funds /indices of client to their actual end user. Application also helps end users to get latest value of index /product /index at given point of time and compare it with other market data.

Responsibilities:

- Developing and testing of modules developed in front-end technologies, using AJAX, JavaScript, jQuery and HTML
- Worked with SASS to build better and optimized stylesheets
- Utilized jQuery UI controls to assist in implementation of GUI per client specifications
- Used Web Developer, Firebug, and IE developer toolbar for debugging and browser compatibility
- Server side integration with JSP
- Added /modified AJAX, JavaScript, jQuery components to existing code base
- Peer review to build better code
- Attending weekly status calls

Environment: HTML4/5, CSS2/3, JavaScript, jQuery, JSON, Twitter Bootstrap

**Walmart**, SAN BRUNO, CA – May 2009 – June 2010

### **Senior UI/Front End Engineer**

Descriptions: Walmart.com goal – providing easy access to more of Walmart – is evident in the more than 1,000,000 products available online and in the innovative businesses that Walmart.com continues to develop. In short, Walmart.com is passionate about combining the best of two great worlds – technology and

world-class retailing – to give customers a wide assortment of their favorite products and great online shopping experience.

Responsibilities:

- Comfortable in writing object oriented, and asynchronous JavaScript
- Able to create semantic mock-up using HTML/HTML5 elements
- Created responsive layouts using CSS, Bootstrap
- Excellent problem solving and analytical skills
- Ability to navigate and work through ambiguity

Environment: HTML5, CSS3, JavaScript, jQuery, Angular.js, Twitter Bootstrap, JSON

## Education

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Master of Science in computer Engineering  
Purdue University Calumet – Hammond, IN

## Additional Information

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### TECHNICAL SKILLS

Web Technologies HTML, HTML4/5, CSS2/3, XML, DHTML, XHTML, JavaScript, JSON, AJAX, jQuery, PHP, Twitter Bootstrap.

JS Frameworks Angular.js, jQuery, Ext.JS

### Web IDE Tools

Notepad++, Adobe Dreamweaver, Eclipse, phpStorm, Sublime Text, Microsoft Visual Studio, Adobe Illustrator, Adobe Photoshop CS5.

SDLCs Waterfall, Agile, Rational Unified Process (RUP), UML.

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

**Debugging tools:** Firebug, IE Toolkit.

**Operating Systems:** Windows, Mac OS X

**Languages:** C++, JAVA, JavaScript.