Alex Hu
Senior Web Developer - A Comcast Business Company

Princeton, NJ - Email me on Indeed: indeed.com/r/Alex-Hu/dfb22d46ccb8a73a

● Around 6 years of experience in front-end development using Angular JS, Angular 2/4, React JS, JQuery, HTML/DHTML, XHTML, CSS, Bootstrap, Ajax, JSON, JavaScript.
● Expertise in Model-View-Controller framework and single page applications (SPA) using Angular JS and React JS.
● Well experienced in checking cross browser compatibility across various browsers like Internet Explorer, Firefox, Safari, and Google Chrome.
● Developed UI using JQuery and JavaScript Library for Web Application and Mobile Application and extensively developed Rich Internet Applications and various UI widgets using jQuery.
● Expertise in working on Restful API and AJAX techniques for manipulating and parsing JSON data using Angular JS.
● Worked on responsive web design using CSS3 media queries and framework like Bootstrap3.
● Familiar with UI layout design using CSS3 and management frameworks like SASS and LESS.
● Experience with version control tools GIT, TFS and SVN, JavaScript package management tools NPM and Bower.
● Strong knowledge in Object Oriented Concepts, Object Oriented Design (OOD), Object Oriented Analysis (OOA).
● Proficient in debugging, especially using Chrome inspector. Experience in FireBug, IE Tester and front-end unit testing tool Jasmine.
● Sophisticated in Database design and normalization. Good experience in SQL expression, triggers with MySQL and JDBC.
● Experience with IDE and tools such as WebStrom, Sublime Text, Visual Studio, Eclipse, NetBeans and PyCharm.
● Involved in software development life cycle (SDLC) such as Waterfall, Agile and Scrum workflow.
● Excellent communication skills and efficient trouble shooting skills to work independently or as a team member.

WORK EXPERIENCE

Senior Web Developer
A Comcast Business Company - Cincinnati, OH - June 2016 to Present

Project: SIGMA
Comcast Corporation is an American global telecommunications conglomerate that is the largest broadcasting and cable television company in the world by revenue and our project is called Sigma which is to design and develop web application for internal and external use. In this project, my responsibility is to use Angular 2 to implement front-end features and send requests to back-end microservices through Restful API. During the development, I also received feedback from QA team and eliminate bugs to pass all tests.

Responsibilities:
● Designed and develop SIGMA project for aggregating service delivery system and customer feedback system using Angular 2, HTML5, CSS3 and Bootstrap.
Details are below:

Service Delivery system: this system is created for track and delivery services to customers. Developed sub-modules to obtain customer detailed information and update them by technician when necessary. Also, this allows technician to check the billing info, installation manual and process.

Customer Feedback system: this system is used for customers to leave any feedback after the requested service is done. We designed the "star" component to determine the quality of the service. And customer can leave text feedbacks as well.

● Involved in all stages of Software development life cycle including requirement analysis, development, implementation, testing and support.

● Developed the login portal using Angular 2 along with HTML5, CSS3 and Type-Script.

● Worked on some of the new features of Angular 4 like new if else syntax, ng-templates, form validators, Router etc.

● Rewrite legacy AngularJS controllers and services to Angular 2 components for better performance and less dependency.

● Created Typescript reusable components and services to consume REST API's using Component based architecture provided by Angular 2.

● Implemented Angular 2 component router for navigation and directives, components, pipes, injectables.

● Worked with Angular.js routers, forms, modules, DOM, events, expressions, controllers, filters and Http Request.

● Used Express Framework to respond to the HTTP requests with the help of Node JS.

● Create the service delivery management system with the searching, service reference, process tracking pages and communicate with the backend through Restful API.

● Use bootstrap grid system to achieve the responsive web design.

● Used Bitbucket and Bamboo as a version control tool, and used JIRA for bug management.

● Actively participated and provided feedback in a constructive and insightful manner during daily SCRUM meeting to track the progress for each iterative cycle and figure out the issues.

Environment: HTML5, CSS3, JavaScript, Angular 2, Angular 4, Node JS, Bootstrap, Bower, NPM, JIRA, AJAX, jQuery, JSON, Grunt, Jasmine, Karma and Bitbucket.

Senior Web Developer

Deutsche Bank   -   Jersey City, NJ   -   June 2015 to May 2016

Responsibilities:

● Participate in a team to create single page application utilizing AngularJS to communicate with RESTful web services for maintaining and managing financial products and services.

● Work closely with the back-end team to understand the system requirements to ensure the front-end modules are built properly.

● Design the graphical user interface for the internal products with HTML5, CSS3 and Bootstrap.

● Apply responsive web design technique with Bootstrap framework and CSS media queries to ensure good user experience from both desktop and mobile perspectives.

● Develop the Single Page Application (SPA) using Angular JS and Model-View-Controller (MVC) design pattern.

● Enhance the online searching efficiency for financial products and investment packages by different criteria using Angular JS filter.

● Work with the third-party web service APIs (Google Map API) and web service using Ajax.

● Consume RESTful web services, grab and parse JSON data using AngularJS service calls to render premium financial product details on pages showing the name, price, feedbacks and so on.

● Rebuild UI components and webpage structures to satisfy the latest requirements by primarily using Angular JS (Create self-defined Angular JS directives, factories, services and injected into controllers to implement business logical functionalities).

● Enhance the user experience by designing the interactive websites using JQuery UI for Drag and Drop.
● Resolve the browser compatibility issue for Google Chrome, Firefox and Internet Explorer using HTML, CSS and JavaScript.
● Perform unit test and end-to-end using front-end test tool Jasmine.
● Use Bower to manage the library dependency and using NPM to manage the package.
● Cooperate with QA team to fix bugs.
● Work in Agile work environment to join the daily meeting and scrum.

Environment: HTML, CSS, JavaScript, Bootstrap, AngularJS, AJAX, JSON, Bower, NPM, SVN, VS Code, Sublime Text, Eclipse, Agile Development.

Front-End Developer
Nationwide Mutual Insurance Company   -   Columbus, OH - June 2014 to March 2015

Responsibilities:
● Designed the front-end applications, user interactive (UI) web pages using web technologies like HTML, XHTML, and CSS.
● Web designing & development using HTML5, CSS3, JavaScript, React JS and Ajax.
● Developed React JS pages, Web services calls and AJAX calls for the application.
● Used React JS in development of the web application to bind the data/model that is being retrieved from a database through services provided in a controller to the view using scope.
● Used React JS in components like JSX, creating React components, Virtual DOM, React Props, Lifecycle methods, working with React States and Events.
● Participated with end users and business analyst to understand the business requirements.
● CSS styles were developed to preserve the uniformity of all the screens throughout the application and positioning of screen objects and extensively used SASS (Syntactically Awesome Style Sheets) while styling with CSS3.
● Working with React Router for developing Single Page Applications SPAs.
● Developed user interface by using the React JS, Flux for SPA development.
● Worked in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
● Build React components and stand-alone functions to be added to any future pages.
● Responsible for developing a front-end application using React JS and FLUX architecture for human resource management system for internal teams' productivity use.
● Experienced in working with Redux architecture.
● Worked on responsive design and developed a single ISOMORPHIC responsive website that could be served to desktop, Tablets and mobile users using React.js.
● Wrote services to store and retrieve user data from the Mongo DB for the application on devices.
● Used Bugzilla and Red mine as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.
● Involved in daily SCRUM meetings to keep track of the project status.
● Extensively used GIT for version controlling and regularly pushed the code to GitHub.

Environment: HTML5, CSS3, JavaScript, React JS, JQuery, Twitter Bootstrap, Web Storm, JSP, Adobe Photoshop, MS office, and Bugzilla.

Web / UI Web Developer
Chemical Abstracts Service   -   Columbus, OH - January 2013 to March 2014

Responsibilities:
● Participated in requirement analysis, design, coding and testing using JavaScript, HTML, CSS, Bootstrap, and jQuery.

● Designed web page structure using HTML, CSS and Bootstrap.
● Used Responsive Web Design so that the website is compatible with different devices like desktops, laptops, tablets and cell phones.
● Produced client side validation through JavaScript and Ajax for asynchronous communication.
● Used Ajax Controls, Web forms, JavaScript and HTML to keep the chemical compound data up to date on web pages.
● Optimized the loading performance and reduced the corresponding time by 34.43% by building the service to using JSON data.
● Cooperated with other project team members with GitHub.
● Extensively tested the website and fixed bugs after identified them with Chrome Element Inspector.

Environment: HTML, AJAX, JSON, XML, TOMCAT APACHE, CSS, JavaScript, jQuery, Bootstrap

UI Developer
Motorists Mutual Insurance Co   -   Columbus, OH - July 2011 to November 2012

Responsibilities:
● Worked with HTML, CSS, and JavaScript to develop web pages.
● Participated in analyzing the requirements and depicted them through user stories and scenarios.
● Extracted data through RESTful API and parsed XML data.
● Worked on cross-browser compatibility issues and integration of the project.
● Developed web page CSS templates.
● Modified web page designs for better user experience and understanding.
● Wrote documentations about JavaScript functions and CSS templates to enable reuse.
● Worked side by side with QA team to troubleshoot cross browser problems and evaluate performance of the web page.
● Involved in Waterfall Software Development Life Cycle.

Environment: HTML, CSS, JavaScript, XML, SQL Server, Eclipse.

EDUCATION

Master of Science in Computer Science and Engineering
Ohio State University

Bachelor of Engineering in Software Engineering
Northeastern University

SKILLS

AJAX (4 years), API. (3 years), Bootstrap. (4 years), JavaScript (5 years), jQuery (4 years)

ADDITIONAL INFORMATION

Skill Set
Languages: JavaScript (ECMAScript 6), HTML5, CSS3, Java, Python, C++, SQL
Frameworks: Angular 2/4, React JS, AngularJS 1, Bootstrap
Web-related Technology: JQuery, JSON, AJAX, DOM, XML, FireBug, IE Tester
Libraries/APIs: JQuery, Facebook API, Bing Map API
Environments: MAC OS, Linux, Windows 10/8/7