

Hao Guo

SUMMARY:

- Over 6-7 years of experience as a developer in Front End/UI applications related to Finance and Education industry with solid understanding of OOD and OOP.
- Expert in Front-End technologies including HTML/HTML5, CSS/CSS3, JavaScript, jQuery, Bootstrap, React 16, AngularJS, Angular, MySQL, Mongo DB, Dojo, D3.js and TypeScript.
- Proficient in React/Angular for example Lifecycle Hook, Browser Support, AngularJS CLI, template, component, routing, HTTP, Module, Unit Testing, Directives.
- Proficient in HTML/HTML5 for instance using Cache to support the offline browsing, familiar with HTML5 new feature such as Local Storage, Multi-media, Form Validation.
- Master in CSS/CSS3 for example, applying Box-model to adjust the layout, utilizing Animations combined with Custom Fonts, Multi-columns Layout and text effect to beautify the webpage.
- Expertise in JavaScript such as manipulating DOM and binding Event handlers, using Callback, Closure with Namespace to handle logics and Module to achieve encapsulation. Also writing JavaScript testing case and API.
- Skillful in React/ Angular for instance Animations, Selectors, Functions, Events.
- Expert in creating Responsive Design using Bootstrap including utilizing Grid System (Bootsrap/Webix/MaterialUI Grid) to design the layout, applying image Carousels to show slides, using Modals to pop up the dialogues.
- Professional in using Angular and React 16(React Hook) to design Component by applying Routing and Templates, utilizing Dependency Injection to register Services providing Data-binding. Familiar with JavaScript library Reacts
- Fluent in version control system Git or SourceTree.
- Experience in modifying SQL and Stored Procedures with Relational Database such as Mongoose, MYSQL, Dynamo DB.
- Quick learner with excellent problem solving and communication skill, ability to interact with clients and business users, a good team player and self-starter.
- Good understanding of Test-Driven Development and Unit Testing, Regression Testing.
- Fix HTML/CSS bug, use NPM and bower for dependency management. Using Webpack for module bundler.
- Good with the SDLC, participated in agile development and Daily Scrum and Team work.
- Expert in Node.js with solid understanding of Event-Driven and Non-Blocking I/O.
- Solid experience in using Express.js to create flexible web application with comprehensive understanding of URL Routing, Error Handling and Debugging.

TECHNICAL SKILLS:

Programming Language	Java, JavaScript, C++, Shell Scripting, MatLab
Web Technologies	HTML/HTML5, CSS/CSS3, jQuery, Bootstrap, AngularJS, Angular6, D3.js, XML, JSON, DOM, React, AEM
Web Service and Database	Node.js, MongoDB, MySQL
Testing Tools	Jest, Jasmine, Mocha, Karma
Operating System	Windows, Linux, MacOS, VM, Virtual Box
Developing Tools	Visual Studio Code, MatLab, Sublime, WebStorm

PROFESSIONAL EXPERIENCES:

Client: BNY Mellon - NY

Present

Role: Web UI Developer

Project: BNYmellon.com

Description:

The objective is to provide latest market information regarding advertise, campaign, marketing, stock and business analysis for corporate site such as BNYMellon.com, Pershing.com, microsite and so on

Responsibilities:

- Document technical specifications such as high and low level design, logical data flow and workflow and flow charts
- Design and develop code using AEM platform.
- Implementation and development planning, testing and release coordination using AEM SPA and React, html, JavaScript, Apache sling, Maven and JAVA.
- Consults with internal business groups to provide appropriate application software development services or technical support.
- Designed and developed, CQ5 building blocks including templates, components, dialogs, Widgets, workflows and launchers.
- Built various web pages using HTML5, CSS3, Java Script, React and JQuery.
- Developed AEM 6.5 custom workflow templates and modules for WCM lifecycle management.
- Involved in creating CQ dialog and dialogs in both touch UI and classic UI using slightly.
- Worked on CRX as a repository and accessing the CRX content nodes by SQL Queries and XPath.
- Integrate LDAP for user access to the CMS system for authoring, publishing and workflow management.
- Developed more than 2 applications that uses JCR content repository in CQ to store information and query the JCR for display and reporting purposes.
- Design and development of web pages using CQ5, JavaScript, React, HTML5, CSS3, Ajax and JQuery.

Environment:

HTML/HTML5, CSS/CSS3, JavaScript, AEM, React, Angular, Redux, Git, BitBucket, Webpack, .Net, Date Picker, JQuery, Adobe Analysis, Makito, Crownpeak. Maven, JAVA

Client: Bank of America - NY

OCT.2018 – JAN.2020

Role: Web UI Developer

Project: Brisk/Inbox/P&L

Description:

Manage the User Interface for Reporting and Analytics team in the Global Banking & Market (GBAM) Risk Strategy and Initiatives group. Primary responsibilities include providing UI support to risk executives via periodic credit reporting

Responsibilities:

- As a software developer at Bank of America Merrill Lynch I specialized in developing React, React-redux and develop react-hook based web applications on GBAM using Webix, Golden layout, MaterialUI, BOA internal React library and moment.js.
- Maintain python flask web services on Quartz, the single cross-asset, front-to-back platform for pricing trades, managing positions and computing risk exposure at BAML using internal python table library.
- Created responsive and dynamic user interface of the application using React in order to render and update just the right component without wasting unnecessary resources.
- Develop solutions for fulfilling external regulatory reporting requirements as well as internal trade metrics reporting for over 300 internal users leveraging Quartz Core API (Python, R, Quack) with globally distributed object-oriented petabyte-class databases.
- Implemented React-Redux for managing state and reinforced the logic of having global state and share information among components from single location using React.
- Used Router incorporated in React to navigate through different pages quickly and smoothly.
- Worked intensively with React State and Props for the purpose of transmitting and retrieving data from one component to another.
- Handled Events and Animations occurred in various React component efficiently in cost-effective manner to gain optimal performance and met business requirement.
- Utilized the immense power of new features of ES6 like Arrow Function, Literals, Promises, Classes, Async and Modules in the entire React component.
- Worked on user management, creation, update and deletion in React components.
- Created mock screen, provide UI guidance to offshore team like India/Hong Kong/Japan/Brazil/UK team member, and guide them to finish the requirement.

Environment:

HTML/HTML5, CSS/CSS3, JavaScript, ReactJS 16(React Hook), Redux, Git, Source tree, Python 3.7, BitBucket, Openfin, Webpack, Jest, Material UI, Python, Moment, Date Picker, Jenkins, Websocket

Client: ADP – Parsippany, NJ

JAN. 2017 – OCT.2018

Role: Web UI Developer

Project: ADP Global Cloud Connect/ GCC- Lite

Description:

“Simplified Integration and Data Management” shows you the three ways ADP Global Cloud Connect can simplify data management between cloud-based HCM. Send and receive data in any format of your choice. Easily to use data mapping and transformation tools Powerful data capture tools to collect local, missing data for payroll processing.

Responsibilities:

- Analyze the Business Requirements and create the tech designs according to requirements.
- Design and create application framework using Angular6 and AngularJS 1.5(upgrade) Used Component design to handle html, service, controller, SCSS element and writing service for the backend.
- Define core module using constructor. Familiar with lifecycle hooks. Applied business logic in the controller and service and interface using es6 and typescript.
- Used SCSS as the CSS pre-processor and compiled less file with Webpack.
- Used AngularJS1.5 to make the HTML5 and CSS code interact with the JavaScript functions to add dynamism and binding to the web pages at the develop environment. Writing unit test to improve code coverage. Import flag-icon and adp-css-framework and adp-vdl-library to paint the page.
- Using Source Tree for Git version control. Analysis and give comment during the code review.
- Working closely with Team Lead to meet the requirement and migration from AngularJS1.5 to Angular6. Applied typescript into AngularJS1.5, applied different strategy to make sure current system work as expected. Change unit test framework and applied code coverage to check all the test case.
- Define share module like Filter Module, Api Module, Common Module and CV module to share the element between the components. Define Error module to show error message.
- Troubleshooting the defect and give estimation for the bug or fixed it directly based on investigation.
- Match the prototype. Using only AngularJS 1.5, Angular6 cookbook from ADP VDL to design the website.
- Working closely with different country and do code review with frontend and attend the meeting to discuss business logic and user story

Environment:

HTML/HTML5, CSS/CSS3, JavaScript, **Angular 6**, Swagger, Karma, Jasmine, Protractor, GoogleChart, Docker, aws, Source tree, bitbucket, Wiki, FlowDock, BitBucket system.js, material-design-icons, WebPack, mocha, typescript, JQuery, Materialize

Client: Appriss – Louisville, KY

Sept. 2016 – Dec. 2016

Role: Front-End Developer

Project: VINELINK and VINEWATCH

Description:

VINELINK and VINEWATCH is the online version of VINE - Victim Information and Notification Every day, the National Victim Notification Network.

Responsibilities:

- Participated in various phases of SDLC including create story, assign log work, create bug story, manage development plan using JIRA, working as horizontal programming from backend to frontend.
- Design and create module using Angular2. Used Component design to handle html, service, controller, SCSS element and writing node.js for the backend. Write login component, search component, and assign session id using header and make sure it strictly functional to real customer. Design loading page, SCSS styling, bootstrapping the website using Materialize, Angular material.

Environment:

HTML/HTML5, CSS/CSS3, JavaScript, Angular2, Node.js, Express.js, Dynamo DB, Swagger, Karma, Jasmine, Protractor, GoogleChart, Echart, Docker, Angular Material, aws, Source tree, Bamboo, Wiki, HipChat, BitBucket system.js, material-design-icons, gulp, mocha, typescript, JQuery, Materialize

Client: SITA – Summerset, NJ

May 2016 – Sept. 2016

Role: Intern UI developer

Project: Smart order Management system

Description:

SOJOURNER™ Smart Order Management System digitally transforms the way your enterprise runs with seamless integration with SAP, legacy and 3rd party systems.

Responsibilities:

- Participated in various phases of Software Development Life Cycle including Requirements Analysis, Design, implementation and Maintenance in Agile and Daily Scrum environment.
- Used AngularJS to make the HTML and CSS code interact with the JavaScript functions to add dynamism to the web pages at the client side.
- Design and development of Web pages using AngularJS 1.5 and Angular2. Created React.js sample to compare the difference between Angular and React.js Used JavaScript MVC to handle the basic front-end logic, writing components including button, input text and make sure it strictly functional to real customer.
- Involved in designing and developing the GUI for the user interface with various controls using Google front API and Google tag manager.

Environment:

HTML/HTML5, CSS/CSS3, Bootstrap, JavaScript, AngularJS, React, Node.js, JSON, JQUERY, Angular2, Git

Client: North Carolina Central University, Durham, NC

Sep 2014 – May 2015

Role: Intern and TA

Project: UI for the computer science department website

Description:

As a visualization front end engineer I need to architect and implement system features and frameworks using advanced JavaScript, JavaScript frameworks, AJAX, HTML, and CSS. To get a better visualization we need to think as both an analyst and strategic storyteller, not only a creator of engaging visuals. This role will interact and consult with the business to recommend and implement data visualizations and optimizing the user experience.

Responsibilities:

- To analyze the requirements and provide maintenance to several websites.
- Used **HTML, CSS and JavaScript** to develop websites.
- Modified the existing website by adding suitable naming conventions and coding standards.
- Worked with user interfaces and applied usability principle to portals.
- Primary role was to improve GUI, solve issues and provide support to the senior UI/web developers.
- Developed clickable prototypes in HTML, Photoshop, CSS and JavaScript.
- Understanding Object oriented program and design pattern to optimize Web service and clickable prototypes in HTML, Photoshop, CSS and JavaScript.
- Tested web sites and fixed any existing bugs using Firebug.
- Responsible for code optimization and test the website across different browsers.

Client: HAOCHENG International Trade, GuangZhou, China

May 2014

Role: Translator and HTML Developer

Project: Canton fair

Responsibilities:

- To analyze the requirements and provide maintenance to several websites.
- To develop HTML, CSS and JavaScript website to the foreigner to introduce the Canton fair.
- Develop Customer Resources from all kinds international exhibition (Canton Fair) /wholesale markets in GuangZhou and get the potential clients
- Update news by editing html every day to show it for the client.
- Independently conducted over thousand customer research and in-depth interviews and regularly presented customer analysis.

Environment:

HTML, CSS, JavaScript, jQuery, JSON, AJAX

EDUCATION:

Master of Science in Mathematics (Computer Science concentration)

North Carolina Central University, Durham, NC (Research assistant Scholarship)