

Long Huang:

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Summary

- Expertise in React, Redux, Angular. Highly knowledgeable on scalable and reusable UI components and WebApp architecture. Solid understanding of React/Angular rendering theory;
- Expertise in browser performance best practices: DOM rendering, script and asset load optimisations;
- Skilled in Node.js, Express, ES6, Async Generator, Event-loop;
- Skilled in JavaScript integration with Grunt/Gulp, Webpack;
- Skilled in Java/J2EE, AWS, Restful, Web Services. Familiar with integration tools such as Jenkins, TeamCity, Docker;
- Experience working in a flexible Agile environment. Familiar with Scrum, Kanban, JIRA, TDD and pair programming;

Expertise

- **Front End**

- Vanilla JavaScript, ES6, HTML5, Web Component
- React, Redux, AngularJS, Extjs
- Karma, Mocha, Sinon, Storybook
- CSS3, Bootstrap, SASS, LESS, Responsive, UX
- Rx, Bacon.js, Ramda.js
- D3, SVG, Canvas, Web Game
- Mobile Web, Hybrid App, ReactNative

- **Dev**

- Grunt, Gulp, NPM, Webpack
- Git, SVN, Jenkins, TeamCity
- UI Testing, BDD

- **Back End**

- Node.js, Express, RESTful
- AWS EC2, S3, Lambda, API Gateway (Certified Associate Developer)
- Java/J2EE, Spring boot, Spring MVC, Apache

- MongoDB, DynamoDB, SQL, Hibernate
- ASP.NET, C#

Experiences

• Web Application Developer

Tourism Holdings Limited: from 2016-03 to Present

- Responsible for development and delivery to production of React & Redux high performance features and great user experience;
- Responsible for front-end architecture: Routers struct design, Redux middleware, Dev Environment API mocking.
- Responsible for developing Node.js RESTful/Sockets API as a middleware system to call web services.;
- Contributed high performance UI components to the UI library, such as infinite slider with brilliant UX in mobile;
- Responsible for production performance. Contributed significant web page optimisation;
- Participating in Front-end micro service architecture based on Tailor web server;

• Sr Front-end Developer (Contractor)

Vodafone New Zealand : from 2015-11 to 2016-03

- Worked in Vodafone digital department, practicing Pair-programming, BDD, and TDD in a high flexible Scrum team.
- Worked on an Enterprise level SPA with a major development role. Responsible for front-end development of MyVodafone web app;
- Utilised reactive and functional programming in JavaScript.
- Built tools and contributed Front-end tutorial documents within the team for front-end integration improvements;

• Senior Front-end Developer (China)

Alibaba Group : from 2011-7 to 2015-9

- Worked in several leading departments of forefront area such as E-Commerce, CMS, Workflow, WebApp, Mobile. I had a core front end development role in the agile process.
- Experienced working on a Front-end components solution, integrating cutting edge framework and architecture to suit the projects needs
- Took part in the "All in mobile internet" of Alibaba's mobile evolution. I had a major role in innovative projects to bring contribute new ideas, such as WebGame, Virtual Reality, and High Secured WebApp.

- **Java Full Stack Engineer (China)**

Longtop Group : from 2009-9 to 2011-7

- Responsible for full-stack development of the financial banking system. Using Struts, Spring, and HBase DB to build the server side system;
- Contributed to a Server-side UI library to make others Java development, using Extjs components, easier;
- Coached teammates to archive complex Front-end interactions, especially in Extjs component extensions;

- **Java Web Developer (Japan)**

Japan MCS : from 2006-11 to 2009-8

- Responsible for Java development and testing in J2EE projects of Japan's financial industry, using Struts, Spring, Hibernate, Oracle DB.
- Handled back-end work and UI work.
- Participated in ASP.NET project and built a dynamic web app.

Education

- China Hebei University of Technology from 2002 to 2006
 - Bachelor's degree of Science in Information and Computing Sciences.

Achievements

- **THL COSMOS**

- A innovative new ecosystem for vehicle renting management, develop from scratch design to the early Demo;
- Delivering great UX features with React & Redux & ES6 & Webpack.
- Responsible for dynamic routers architecture design for the WebApp;
- Contributing on common UI/UX API building;
- Participating in front-end micro service architecture based on 'Tailor' backend framework;

- **THL Booking Component (React+Redux Britz Booking)**

- THL CamperVan booking system, An enterprise level SPA with React & Redux and ES6.
- Contributed an infinite scroll component on mobile, with qualify functions and high performance animations;
- Responsible for a "flexible searching" feature, which made a significant profit during booking season. Delivered high performance UI components and maintainable state management;

- Tested reducers separately to only focus on state flow. Used React StoryBook libs for UI components;
- Refactored the structure of React components and Redux state flow, according to React rendering theory, to significantly improve performance;

• **THL TCX-API (Node.js)**

- A RESTful service built with Nodejs, Sockets.io and TypeScript, deployed on AWS ElasticBeanstalk, with Redis DB as cache repository. Used SOAP to call THL core web services & AWS micro services.
- Responsible for new features and maintenance, such as DPS payment, rental and vehicles management;
- Responsible for integration task script on Jenkins;
- Integrated AWS S3 for feedback screenshot image saving on Kiosk tablet;

• **MyVodafone webapp (AngularJS [myvodafone](#))**

- An innovative enterprise level SPA built with AngularJS, with UI automation tests, bootstrap responsive framework and Reactive Functional design.
- Responsible for Front-end architecture refactoring, and performance optimisation;
- Delivered high-performance visualization with D3.js in Vodafone usage page;
- Used Bacon.js pipe stream and Functional programming for multiple async processes and data-flow management;
- Practiced pair programming with teammates to implement RESTful APIs based on Java Spring and Web Services.
- Contributed a NodeJS proxy tool for mocking API in dev environment. Made significant improvements in the front-end process;

• **Alibaba Seller Lottery System (React)**

- Used React.js, Flux, CommonJS, Babel+ES6, Webpack and HTML5 for SPA development.
- Built an 'Isomorphic React' server side rendering solution on Node.js express.
- Responsible for a React UI library, including Tree, SlideView, TableGrid ([Github Demo](#)).

• **Alibaba DingTalk ChatApp (AngularJS [Website URL](#))**

- A successful and innovative chatting SPA, which mainly focuses on business communication.
- Responsible for directives development, integration building, and architecture design.
- Built App from scratch with the whole team. Helped team to resolve AngularJS performance issues.

• **Tmall online gambling WebApps on Mobile (Demos in portfolio below):**

- An innovative HTML5 SPA built in Alibaba hybrid webview;

- Built a router framework base on Hash url, by vanilla JavaScript;
- Used 'Finite State Machine' algorithm to manage the states and lifecycle;
- Designed a CSS3 3d animation to enhance the gambling process UX;
- **Mobile hybrid framework**
 - Designed the js-bridge library for Alibaba Native Apps, both on mobile web view;
 - Consumed hybrid APIs to enhance the web view interactions and functionalities in practical projects.
- **HTML5 Game develop and framework design**
 - Responsible for enhancement of interaction in e-business. Took charge of lots of innovative html5 games as a major role.
 - Web Games deployed in Alibaba Hybrid App. Developed several creative web game, following in my portfolio

Portfolio

- Github : <https://github.com/hlissnake>
- Brtiz Booking Component: booking.britz.co.nz
- Com.js [github repo](#) : A Virtual Display Object Library for html5 canvas basic graphic.
- Enhanced Javascript Library [github repo](#) A self-coding JS Library which enhances the native javascript, provides Dom manipulation and UI Components.
- HTML5 Games : Passionate about games development.
 - [Pseudo 3d game based on 2d Cavnas](#)
 - [Jumping Ball](#)
- Real-time Gambling WebApp : Depending on the hybrid network, cannot run on web lonely.
 - [screenshots gif](#)
 - [screenshots2 gif](#)
- React UI Demos:
 - [Tree Component](#)
 - [SlideShow](#)
- Proxy tool based on Express

