DINGTONG (LAWRENCE) WANG

SUMMARY:

- Experienced **Front-End Developer** involved in designing user interface applications, testing, and documentation of professional web applications.
- Strong domain understanding of **E-Commerce** and **Entertainment** and **Health Care**.
- Extensive experience in developing complicated Single Page Application (SPA) using **React 16.13.1** with **Redux 4.0.5, Redux-Thunk 2.3.0, React-Saga 1.1.3**, **React-Redux 7.2.1** and **React-Router 5.2.0** and developing scalable full stack applications using the **MERN (MongoDB, Express.js**, **React** and **Node.js**) stack.
- Highly experienced in web development and UI using **HTML5, CSS3, JavaScript ES5/ES6, jQuery 3.5.1, RxJS 5.x, AngularJS, Angular 8 and Vue.js 2.6.12.**
- Maintained **RESTful API** using **Express.js 4.17.1** framework on **Node.js 12.18.3** and used **JSON Web Token (JWT)** Authentication with **XML** and **JSON** data formats communication.
- Hands-on experience in developing web applications with **ReactJS**.
- Expertise in designing and developing **RESTful** web applications using **NodeJS** libraries, like **express**, **mongoose**, **body-parser**, **axios**, **dotenv**, **and cors**.
- Experience in using **axios** package to make promise-based **HTTP requests** and intercept all requests and responses for authentication and error handling in Angular applications.
- Proficient in web development and UI using **HTML5, CSS3, JavaScript, ECMAScript 6 (ES6)**, **TypeScript.** Utilized **Semantic Elements, Flex/Grid box, Promise, Async Await Function**
- Expertise in making the pages dynamic using **AJAX** and **jQuery**, with **JSON** and **XML**.
- Skilled in using **JSON Web Token (JWT)** or **Google Firebase** for data authentication.
- Experienced in using CSS preprocessors **SASS** and **LESS** to create dynamic style sheets.
- Skilled in using **Bootstrap 4**, **CSS Media Queries** for responsive web design.
- Strong Understanding of **Document Object Model** and **Advanced DOM Manipulation.**
- Expertise in using **c** to detect the HTML5, CSS3 and JavaScript features supported in user's browser, as well as **Babel** to compile the JavaScript to support older browser.
- Proficient in using dynamic data visualization libraries like **D3.js**, **FusionCharts**, as well as **Highcharts.**
- Expertise in using databases like **MongoDB 4 / 3**, **Firebase**, **MySQL 8.0**.
- Experienced with **Gulp / Grunt** to manage projects and **Jira / Trello** for bug tracking.
- Developed Application within Test Driven Development (**TDD**) environment with unit testing tools: **Jasmine/Karma/JEST/Mocha/Chai.**
- Experience in code repository using **GIT** for version control, **JIRA** for Bug tracking, **Continuous Deployment (CI/CD)**.
- Experience of back-end technology in Core Java **Spring Boot 2.2.1** and Hibernate.
- Experience working in fast-paced environment using **Agile / Scrum**, Test-Driven development and **Waterfall** methodologies
- Experience in **remote work**, feedback loops, taking small decisions independently.
- Highly passionate in frontend development, self-learner, curious about new technologies, able to work independently and in teams, and can handle multiple projects while remain detail oriented on each one.

TECHNICAL SKILLS:

Web Technologies
HTML5, CSS3, jQuery 3, Bootstrap 4, AJAX, \
GraphQL 15.x / 14.x, JWT, XML, JSON\

Programming languages
JavaScript(ES6), TypeScript 4 /3 /2, Python3.7\

CSS Preprocessor & JS Task Runner
LESS3.x, SASS 3, SCSS, Stylus, Gulp 4.x\
Grunt 1.x, Webpack.\

Test Framework & Tools
Jasmine 3.x/2.x, Karma 5.x/4.x/3.x\Jest 23.x\
Mocha 8.x\ Chai4.x\

Database
MongoDB 4.x/ 3.x, Firebase, MySQL 8.0, \

Debugging Tools
Dev Tools, Chrome Inspector.\

SDLC Methodologies
Agile, Scrum, Waterfall, TDD.\

Cloud Platform
Amazon Web Service(AWS), IBM Cloud \

Framework & Library
Angular 11.x/10.x/9.x/8.x, Ngrx11.x/10.x, \
Rxjs 7.x, AngularJS, ReactJS 17.x, Redux-\
Thunk 2.x, NodeJS 12.x/10.x/5.x, ExpressJS 4, \
Ionic3, VueJs \

Automation / Other Tools
Grunt 1.x, Gulp 4.x, Git 2.x\
Docker 20.x / 19.x, Jira 8.x / 7.x, Trello\

Visualization Tools
D3.js 5.x / 4.x, FusionCharts 3.x, Highcharts \
Chart\ 8.x / 6.x / 4.x\

Web /Application Server
Apache-Tomcat, AWS, S3, EC2, Autoscaling \
GraphQL, load-balancer.\

IDE
Visual Studio Code, Eclipse, Atom, IDEA.\

Operating systems
Windows, MacOS, Linux.\

PROFESSIONAL EXPERIENCE:

New York City, NY   **June 2021 to Till Date**
Project: Explore - Group Travel Website

Project Description:
Explore is a touring website that crafts and customizes small group travel to just about anywhere in the world. From adventurous, independent travels destined for far-off lands to something a little closer to home, it will build the best vacation package possible. This can include everything from travel planning, the flight and resort bookings to excursions, car rentals, and other in-destination services.

Responsibilities:
- Responsible for developing responsive modules using **MongoDB**, **ExpressJS**, **NodeJS**) together with **HTML5**, **CSS3**, **SASS, TypeScript** and **JavaScript (ES6)**.
- Responsible for online booking, user dashboard features.
- Implement server-side rendering with pug templates
- Utilized **HttpClient, Axios** in application to asynchronously fetch and send data from server-side to produce and consume **RESTful** web services.
- Implemented mobile layout using **Bootstrap4**, Updated the **UI** of the existing product list, implemented the user profile page.
- Created **NodeJS** server-side for creating **RESTful Web Services** using **Express.**

- Used **JSON Web Token** in **Node.js to** implement user authentication. Used **Crypto** to do encryption.
- Applied **Jira** for bug tracking and **Jenkins** for Continuous Integration and Deployment.
- Developed unit test cases using **Karma/Jasmine** with **Test-driven Development** (**TDD**).
- Utilized **GIT** for version control.

Environment:
HTML5, CSS3, TypeScript, JavaScript, Bootstrap4, SASS 3, NodeJS v12.2, ExpressJS v4.17, MongoDB v4.2, mongoose v5.11.15, Jasmine v3.6.3, Karma v6.3, Git v2.25, Jira v8.13.0

Byte Art LLC, Union City, NJ   **Jul 2020 to Jul 2021**
Role: Software Developer

Project Description:

ByteArt is a start-up that wishes for a future where everyone gets closer to arts and enjoys artworks in their daily life. To get there, it's building the market to support artists around the world to exhibit, market, and sell their artworks. From classic ancient Roman statues to modern New York City street graffiti, it would build a joyful experience for discovering, buying, and selling artworks for collectors and artists.

Responsibilities:
- Involved in developing the application using **Angular 8, ExpressJS**, **NodeJS** with **HTML5**, **CSS3**, **JavaScript** (**ES6**), **TypeScript** as well as **Less** for reusability
- Responsible for user authentication, shopping cart, and ordering features.
- Developed **Android/iOS** application using **Ng-zorro**, **Bootstrap4** with **Angular.**
- Utilized **Ngrx** to maintain and update state and component data.
- Utilized **Rxjs Observable** to asynchronously fetch and pass data. **Rxjs** operator to preprocess the data before accepting it.
- Built modules using **Functional Components** and **Life Cycle Hooks**, and implemented **Navigation** using **Routing, Roue Guard.**
- Implemented **Lazy Loading** to modules that are not immediately necessary. Such as artwork details and artist info.
- Utilized **Angular CLI** for creating **components, services, pipes, directives.** Implemented **Custom pipes** and **Custom directives**.
- Utilized **Service** to manipulate the data and instantiated the service in the component through **Dependency Injection**.
- Imports the **HttpClientModule** in the core module. Using **HttpClient** service to execute HTTP requests in components.
- Used **NodeJS** with **Express**, **Axios** to build **RESTful web service.**
- Utilized **Git** for version control.
- Involved in **Agile** software methodologies using Test-driven Development **(TDD).**
- Applied **AWS EC2, IAM, Lambda, API Gateway**, **DynamoDB**, **Elastic Beanstalk**, and **S3** to deploy the modules on the cloud
- Participate in the team on **Agile** development cycle. Used **Scrum** methodology.

Environment:

Angular v8.x, Ngrx v9.x, RxJS v6.x, Ng-zorro v8.x, Bootstrap4, NodeJS v12.18.3, Express v4.17, Axios v0.21.1, HTML5, CSS3, JavaScript ES6, TypeScript, Jasmine v3.x, Git v2.25, Jira

Hoboken, New Jersey   **Feb 2020 - May 2020**
Project: Emotion Radar - Public Sentiment Analysis

Project Description:
Emotion Radar is a website based on Twitter data to show attitudes and feelings people have about public events, public figures, brands, etc. on social media. Social media has become an indispensable and important part of people's lives. With this much influence, people's emotions on social media can affect the stock market of a brand, impression of a brand, general election, social movement, etc. With Emotion Radar, we can analyze advertising and campaign impact, analyze product launch response, etc.

Responsibilities:
- Participated in the complete **SDLC** process via Agile methodology.
- Designed and implemented the user interface using HTML5, CSS3, JavaScript, ReactJS, and **Bootstrap 4**
- Built app routing by using **React-Router** and implement the navigation between components
- Created REST API using **Node.js** combined with **Express.js**
- Involved in implementation queries to the back-end **MongoDB 4.4** database to implement the GET/POST functionality for **JSON** contracts.
- Used Twitter official API to get Twitter data
- Used Routing schemes to develop **single page applications (SPA)** using **ReactJS Route**.
- Used **AJAX** and **JSON** to make asynchronous calls to the project server to fetch data.
- Used **Karma** and **Jasmine** to make unit tests and auto run and watch them.
- Responsible for debugging and troubleshooting the web application.
- Maintained continuous communications between team members to track and roll the critical mission-driven development.

Environment:
HTML5, CSS3, JavaScript, React, ReactJS, JSX, NodeJS, MongoDB, Axios, Git

Shelter, Shanghai, China   **July 2017 - Oct 2017**
Project: Shelter - Social Media for the younger generations
Role: Intern Software Engineer

Project Description:
Shelter is a social media platform for the younger generations to share their life. It allows users and influencers to post and share product reviews, travel blogs, and lifestyle stories via videos and photos. By building a community of young people interested in fashion, music, makeup, etc., it connects target consumers with retailers & advertisers to make it an e-commerce and social media combined platform.

Responsibilities:
- Responsible for posting and messaging features.
- Completed the web page according to the designer's design draft.
- Developed web presentation layers using **HTML** and **CSS**.
- Implemented a responsive web layout for the order page using **Bootstrap**.

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- Used **JavaScript** to add some animation effects and Used **jQuery** libraries and plugins for developing front end web applications.
- Used **Ajax** to fetch data from the server.
- Used **BaiduMap API** to get geography information.
- Written the test cases based on the requirement.

Environment:
HTML5, CSS3, JavaScript, JQuery, Git, Bootstrap, AJAX, DOM, Responsive Web design

EDUCATION:

- **M.S. in Computer Science**
- **B.S in Marine Technology**