

# Alice Wang

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## PROFESSIONAL SUMMARY

- Involving full stages of SDLC for Web Applications. Focusing on front-end development, having experience with backend development.
- Solid knowledge with web technologies HTTP, Typescript, JavaScript, JQuery, HTML, CSS, Web APIs and JSON. Proficient working with frameworks Angular, Ionic, Next.js, Express.js. Having experience with AngularJS.
- Having experience implement backend business logics, APIs and working with MySQL database.
- Proficient debugging web application with VScode and Chrome Developer tools. Ability to implement unit tests with Jasmine and Jest.
- Experienced working with development tools TFS, Git, NPM, Yarn, Jenkins, Docker. Understand Gulp and Webpack.
- Experienced working under Agile Scrum and waterfall environment.
- Good written and verbal communication and problem-solving skills. Strict attention to details. Ability to work independently and self-discipline, at the same time a faithful team player.

## SKILLS

**Web Technologies:** HTML5, CSS3, Sass, Bootstrap, AJAX, jQuery, JSON, Restful API, Node.js, React, Tailwind

**Frameworks:** Angular, AngularJS, Next.js, Express.js, Martini

**Databases:** MySQL, MongoDB, AWS S3

**Programming Languages:** Typescript, JavaScript, Java, C#, C++, Python, Golang, SQL

**Testing/Debugging:** Jest, Mocha, Jasmine, Karma, Postman, Fiddler, Chrome Developer Tools, React Developer Tools, Augury

**Version Control:** Git, TFS

**Others:** NPM, WebPack, Babel, Gulp, XML, Docker, Mysql Workbench, Redux, NgRx, RxJS, Lodash, Nginx

## WORK HISTORY

**FRONT END ENGINEER** | 07/2019 to Current

**Pennsylvania Department Of Corrections - Mechanicsburg, PA**

- Working on multiple projects TFS Dashboard, Reference Table Management UI, and Captor components Library, architect, design, develop and maintain Angular SPA web applications with Typescript, HTML5, and SCSS. Develop Angular component, directive, pipe, service, interceptors and etc... Build and maintain enterprise-level components library.
- Design and implement application data flow with services and RxJS. Working with services, web cookies, browser storage, and URL to preserve and update app status.
- Implement user authentication and authorization. Restrict user access according to role, and manage user sessions. Implement route guards service for route security and

redirection.

- Integrate with APIs. Transform requests and responses, handle common exceptions, handle user identification expiration and token with HttpInterceptor. Resolve response and specific exceptions, adapting response data to components within services.
- Use or extend third-party libraries, for example, Angular Materials, Ng-bootstrap, RxJS, JWT. Work with iframe to Integrate other platforms like Kibana.

#### **WEB DEVELOPER | 10/2019 to 07/2020**

##### **Hulu LLC - Santa Monica, CA**

- Developed and maintained Non-subs' website with Next.js, Express.js, GraphQL and Apostrophe.
- Migrate from Drupal CMS to Node-based Apostrophe CMS. Override and extend Apostrophe based on requirements.
- Refactoring data integration and hydration project based on GraphQL.
- Define custom schemas, develop and maintain resolvers and queries.
- Working with Node.js and Express.js to set up server, provide handlers for requests, and handle special cases with middleware.

#### **FRONT-END DEVELOPER | 05/2019 to 10/2019**

##### **Tesla Inc - Fremont, CA**

- Develop and maintain UI with front-end technology Angular 7, Ionic, Angular Material, Angular Formly, Typescript, Javascript, RxJS, SASS, etc.
- Maintain and develop API with GoLang. Maintain and update database with SQL script.
- Extend and customize Angular Formly and Angular Material components to meet business requirements.
- Enhance API efficiency with GoLang for faster data retrieval and management.
- Pioneer custom solutions in Angular Formly to streamline user interfaces.

#### **FRONT END SOFTWARE ENGINEER | 10/2018 to 05/2019**

##### **Pennsylvania Department Of Corrections - Mechanicsburg, PA**

- Implement responsive UI with Bootstrap, Angular Material, directives, SASS, CSS3, flex and grid, Angular Material flex-layout, media query and etc...
- Modularize application according to features and security requirements. Implement lazy load to optimize performance. Protect and secure content with route guards.
- Consume restful API with HttpClient, processing requests and handling responses with Interceptor. Verify user identity, and implement exception handlers for HTTP response.
- Process and manipulate app state and data stream with RxJS Behavior subject, operators like forkJoin, mergeMap, switchMap, etc.
- Working with Angular lifecycle hooks and injection tokens. Hook into stages of Angular application.

## **EDUCATION**

### **Indiana University Bloomington - Bloomington, IN | Bachelor of Science**

Computer Science, 12/2017