Ziyuan Dong

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SUMMARY

- Around 6 years of experience in developing single page applications by using TypeScript and Angular 5-13.
- Advanced knowledge on components such as dynamic component, web component and view encapsulation.
- Proficient with Angular router, including accessing query parameters/fragments, resolver and route guard.
- Hands-on experience with custom directives, asynchronous pipes, services and hierarchical dependency injection.
- Good amount of work done on template-driven forms and reactive forms with validation.
- Experience in using Angular HTTP APIs, such as handling error and intercepting request/response.
- Highly skilled at state management by using RxJS and NgRx.
- Knowledgeable in implementing authentication and authorization by using JWTs and HttpInterceptor.
- Adept at Angular optimization, such as controlling change detection, lazy-loading/pre-loading and AOT compilation.
- Able to work with Angular best practices including proper project structure, accessibility design and i18n.
- Proven ability in testing and debugging with Jasmine, Karma, Protractor, Cypress and Firebug and DevTools.
- Capable of building responsive and mobile-first pages by use of SCSS, Bootstrap and Angular Material.
- Deep insight into JavaScript(ES5/ES6), CSS3, HTML5, DOM, Event and Ajax.
- Strong ability to build RESTful web services based on web frameworks like ExpressJS, Flask and Spring Boot.
- Worked extensively on RDBMS/NoSQL such as Oracle, MySQL, SQL Server, MongoDB and Firebase.
- Good command of Git for version control, as well as Jira for project management.
- Expertise in Core Java concepts like OOPs, Collections, Exceptions, I/O, multithreading and design pattern.
- Profound understanding of each SDLC phase and Agile methodology.
- Dedicated team player that is eager to share new knowledge with peer workers aiming for overall progress.
- Solid troubleshooting skills with an inclination in a challenging environment.

TECHNICAL SKILLS

Programming Languages:	JavaScript, TypeScript, HTML, CSS, Java, Python, SQL, NoSQL
Database & Platform:	MySQL, SQL Server, Oracle, MongoDB, Firebase, AWS, Linux, Unix
Web Technologies:	Angular, Bootstrap, Angular Material, Ajax, SCSS, Node.js, Flask, Spring Boot
Testing & Debugging Tools:	Jasmine, Karma, JUnit, Protractor, Cypress, Firebug, DevTools
Version & Project Management:	Git, TortoiseSVN, Jira, Jenkins
Development Methodologies:	Agile(Scrum), Waterfall

EXPERIENCE

Walmart Inc.   Fremont, CA
Angular Developer   *June 2021 - March 2022*

Project: Membership Express Application for Sam's Club
Sam's Club is a membership-only retail warehouse clubs owned by Walmart. Membership Express is the web application providing all the services of membership management, such as membership creation, activation, payment, updating profile and purchase history checking. Our team is responsible for migrating the application from browser to Ipad with new UI design.

Responsibilities:

- Created mockups with Zeplin to ensure high graphic standards and brand consistency.
- Turned UI/UX design into prototypes by writing reusable Angular components and services.
- Applied Angular best practice of like importing NgRX and upgrading Angular to version 13 for better performance.
- Replaced the CSS with SCSS to provide more control on responsive design and optimize rendering performance.
- Created the unit testing cases for components, services to keep the code coverage over 80 percent.

- Executed integration testing and end-to-end testing, and provided handlers for different error scenarios.
- Fix issues based on user feedback that collected from QA team after releasing product.
- Collaborated with back-end developers to help them define and test restful APIs.
- Wrote technical documentation about the code base setting up, device configuration and Angular upgrading.

Environment: TypeScript, Angular 8/13, Jasmine, Karma, Github, Zeplin, Jira, Jenkins, MySQL, Swagger, Linux

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Alibaba Group
Los Angeles, CA

Front-end Developer
June 2020 - May 2021

Project: Ant Design UI component library

Ant Design UI is an enterprise-class Angular component UI library used for building Alibaba's internal web application like HR system and code review system. It provides 60 high-quality components, 4 layout systems and 7 themes. It also has advanced features including schematics, onPush strategy support, bidirectional text, internationalization, accessibility and server-side rendering.

Responsibilities:
- Designed and developed UI components such as Progress Bar, Popover and Pagination using Angular 9/10.
- Provided various themes by defining common/specific theme styles in different files for dynamic switching.
- Created custom directives and predefined style classes with SCSS features to support responsive layouts.
- Implemented i18n including local date/currency/text and bidirectional flow by using common locales, CDK and pipe.
- Improved the performance by applying trackByFunction, runOutsideAngular and onPush strategy.
- Executed unit testing and integration testing based on Jasmine and Karma framework.
- Setting up Jenkins CI/CD pipeline in conjunction with GitLab, Angular, Docker and Alibaba Cloud.
- Participated in building facilities such as schematics, IDE snippets, editable demos and project documentation.
- Used Git for version control and Jira for agile development.

Environment: TypeScript, Angular 9/10, SCSS, Jasmine, Karma, Jenkins, GitLab, Docker, Jira

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RPost, Inc.
Los Angeles, CA

Angular Developer
May 2019 - Mar 2020

Project: The RSign Platform

The RSign Platform provides simple, feature-rich and affordable e-signature services. Users can sign documents on any browser in an intuitive and guided way. RSign includes the most advanced e-sign features with configurable settings, making it seamless to automate workflows, as well as fulfilling identity requirements, satisfying bank-grade security and meeting loan and fin-tech regulations.

Responsibilities:
- Developed the single page application using TypeScript, Angular 7/8 and Bootstrap.
- Built Login/Logout functionality for Authentication and Authorization with JWT and Http Interceptor.
- Created e-signature pad component with features of custom styles and validation based on HTML5 canvas.
- Enabled authorized and smooth navigation by using Angular Router, Route Guard and Resolver.
- Worked with RxJS and NgRx to maintain complex states.
- Conducted unit testing with Jasmine and Karma, and supported the QA team in E2E testing with Cypress.
- Implemented server-side authentication and authorization based on Spring Security.
- Used Git as version control tool, and used Jira as project management tool.
- Set up Jenkins CI/CD pipeline integrated with GitLab, Angular, Docker and AWS EC2.
- Engaged in the agile development process by attending sprint planning meetings and daily stand-up meetings.

Environment: TypeScript, Angular 7, Bootstrap, Jasmine, Cypress, Java Spring, Jira, Jenkins, GitLab, Docker, AWS

Bank of Tianjin
Tianjin, China

Full-Stack Developer
Aug 2016 - July 2018

Project: Online Banking System

Bank of Tianjin is a commercial bank head-quartered in Tianjin, China. It's an online banking system that enables customers to manage their accounts over the Internet. Functions it provided include billing and invoicing, cash management, tax management, payroll, spend management, revenue recognition and currency exchange.

Responsibilities:

· Developed the single application using TypeScript, Angular 5 and Angular Material.

· Used Sass to manage breakpoints and execute media queries for mobile-first and responsive design.

· Enhanced XSS protection by sanitizing values with DomSanitizer and using AOT template compiler.

· Imported polyfills such as Web Animations and classList to fix cross-browser issues.

· Performed unit testing based on Jasmine and Karma framework to enhance the code quality.

· Participated in building SOAP services based on Spring Boot server and conducted unit testing with JUnit.

· Implemented storage logic based on Spring Data to interact with Oracle database.

· Worked with Git to control version, and performed CI/CD process with Jenkins.

· Utilized Agile methodology(Scrum) to manage full life-cycle development of the project.

Environment: TypeScript, Angular 5, Angular Material, Jasmine, Karma, Spring Boot, JUnit, Oracle, Git, Jenkins, Linux

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Peking Union Medical Hospital   Beijing, China

Front-end Developer   *May 2015 - June 2016*

Project: The Electronic Health Records (EHR) System

EHR is a collection of a patient's medical history, including diagnoses, medications, treatment plans, allergies and test results. Authorized providers can manage patient's information in an instant and safe way. It provides functions such as patient's history lookup, visible analytic, QA/QI reviews, integrated billing and quick speak.

Responsibilities:

· Developed the single page application using AngularJS and Bootstrap.

· Constructed reusable chart component with EChart library under component-based architecture.

· Used semantic tags, aria attributes, high contrast color mode and focus management to support accessibility.

· Implemented protected navigation by using ngRoute module and configuring resolve property.

· Provided authentication service by use of $http, &localStorage and JWT.

· Enabled animations with ngAnimate module and relied on built-in directives to trigger animation hooks.

· Worked with Jasmine and Karma to test controllers, and tested templates by using Protractor.

· Designed and created a MySQL database to store and manage patient's data.

· Employed TortoiseSVN for version control.

Environment: AngularJS, Bootstrap, EChart, JWT, Jasmine, Karma, Protractor, MySQL, TortoiseSVN

EDUCATION

University of Southern California   Los Angeles, CA

M.S. in Computer Science   *Jan 2019 - May 2020*

Nankai University   Tianjin, China

B.S. in Computer Science   *Sept 2014 - June 2018*