Ziyuan Dong

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SUMMARY

- Around 3 years of experience in developing web applications based on Angular (8-15) and React (14-18).
- Deep insight into TypeScript, JavaScript(ES5/ES6/ES7), CSS3, HTML5, DOM, jQuery and AJAX.
- Highly skilled at advanced React practice, such as managing state with Context API, Redux and custom hooks.
- Advanced knowledge on Angular skills, such as custom directives, dynamic components and dependency injection.
- Good amount of work done on Angular reactive forms, React controlled forms and form validation.
- Proficient with router modules, including accessing query parameters/fragments, resolver and route guard.
- Experience in using Angular/React HTTP Modules to consume APIs and handle errors.
- Knowledgeable in implementing authentication and authorization by using JWTs and HTTP interceptors.
- Capable of building responsive, mobile-first and view encapsulated pages by use of SCSS, Bootstrap and Material.
- Adept at Angular/React optimization, such as reducing unnecessary re-renders and enabling lazy loading.
- Hands-on experience with Angular/React best practices, such as server-side rendering, a11y and i18n.
- Proven ability in testing and debugging with Jest, Cypress, Jasmine, Karma, JUnit along with TDD environment.
- Expertise in providing scalable and RESTful services based on Node.js, Java Spring Boot, and Python Django.
- Work extensively on RDBMS/NoSQL including MySQL, SQL Server, Oracle, MongoDB and PostgreSQL.
- Profound understanding of Agile and DevOps methodologies, including building CI/CD pipeline.
- Strong ability to deploy and operate scalable applications based on AWS/Azure, Docker and Kubernetes.
- Good command of using Git for version control, as well as using Jira for project management.
- Solid troubleshooting skills with an inclination in a challenging environment.
- Dedicated team player that is eager to share new knowledge with peer workers aiming for overall progress.

TECHNICAL SKILLS

Programming Languages:	JavaScript, TypeScript, HTML, CSS, Java, Python
Web Technologies:	React, Angular, SCSS, Node.js, Spring Boot, Django
Database:	MySQL, Firebase, MongoDB, PostgreSQL
Testing Tools:	Jasmine, Karma, Jest, Cypress, Mocha, Chai Junit
DevOps:	Git, Jira, Jenkins, Kubernetes, Docker, AWS, Azure
Methodologies:	Agile, Waterfall, BDD, TDD

EXPERIENCE

Walmart Inc.   Fremont, CA
Mid-Level React Developer   *July 2022 - Feb 2023*

Project: Vajra platform for E2E testing within sandbox environment

Description: Vajra is a platform that provides an on-demand sandbox environment, for other Walmart teams to do their functionally end-to-end testing. Staging environment for complex and big systems is often over 70% unhealthy based on weekly reports of item ingestion pipeline. By using Vajra, users could one time onboard the components, design the pipeline and then bring up an Kubernetes-based sandbox environment in a matter of minutes.

Responsibilities:

- Refactored Vajra-UI application, including optimizing project structure, extracting common methods, client side pagination, and replacing class components with more decoupled functional components.
- Used Redux, Axios and Lodash to enhance state management, real-data handling and immutable operations.
- Employed React Router module, including several hooks to accomplish dynamic, seamless and private navigation.
- Implemented responsive, scalable and encapsulated style templates for better user experience.
- Upgraded React from 14 to 17, and fixed peer dependency conflicts and all incompatible issues.

- Worked with the back-end team to create RESTful APIs using Spring Boot, and manage data using PostgreSQL.
- Conducted unit testing, integration testing and E2E testing by the use of Kubernetes and Walmart Cloud.
- Supported new Vajra users to deploy and test their applications, and fixed any bugs based on their feedback.
- Involved in daily Agile meetings and communicated with the Scrum master to keep track of the project status.

Environment: React, Spring Boot, Swagger, Docker, Kubernetes, PostgreSQL, Git, Jira, Walmart Cloud

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Walmart Inc.   Fremont, CA

Angular Developer   *June 2021 - Mar 2022*

Project: Membership Express Application for Sam's Club

Description: Sam's Club is a membership-only retail warehouse club 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 and virtual activation feature.

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 such as importing NgRX and upgrading libraries to the latest version.
- Replaced the CSS with SASS 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 E2E testing, and provided handlers for different error scenarios.
- Fixed any bugs after releasing product to maintain operations continuity and productivity.
- Used Node.js to provide Restful APIs to handle CRUD transactions, JWT management and server-side pagination.
- Wrote technical documentation about the code base setting up, device configuration and framework upgrading.

Environment: Angular, SASS, Jasmine, Karma, Zeplin, Node.js, Swagger, MySQL, Git, Jira, Jenkins, AWS

Alibaba Group   Los Angeles, CA

Junior Angular Developer   *June 2020 - May 2021*

Project: Ant Design UI component library

Description: 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 over 60 responsive components, 4 layout systems and 7 color themes. It also has advanced features including schematics, onPush strategy support, bidirectional text, i18n, accessibility design and server-side rendering.

Responsibilities:
- Developed multiple Angular components such as Progress Bar, Notification, Popover Dialog and Pagination.
- Provided various themes by defining common/specific theme styles in different files for dynamic switching.
- Created custom directives and pre-defined style classes with SASS features to support responsive layouts.
- Implemented accessibility design, responsive design and i18n by using common locales, CDK and pipe.
- Applied best practice to reduce bundle size and prevent unnecessary re-rendering for better performance.
- Executed unit testing and integration testing based on Jasmine and Karma framework.
- Set up CI/CD pipeline by using Jenkins in conjunction with GitLab, Docker and Azure.
- Participated in building facilities such as schematics, IDE snippets, editable demos and documentation.
- Used Git for version control, and used Jira for agile development.

Environment: Angular, SASS, Jasmine, Karma, Node.js, Docker, Git, Jira, Jenkins, Azure

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   *Aug 2014 - June 2018*