

Ritu Riya
Full Stack Developer | Bellevue, WA
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Experienced Full-Stack Developer with expertise in React /Next.js, Typescript, Nodejs, Express.js, Java, Spring boot, Angular. Proficient in building web applications, RESTful APIs, and integrating frontend and backend components. Strong understanding of software development lifecycle and Agile/Scrum/Waterfall methodologies. With a proven track record of over 8 years, I am actively seeking opportunities to apply my skills in fostering collaboration across diverse teams and crafting inventive solutions for software development challenges.

Professional Summary

- Developed and maintained web applications using Node.js, Next.js, React and Typescript ensuring high performance and responsiveness in my latest project at Costco Wholesale.
- Skilled in applying MVC Architecture and executing functional UI development within JavaScript frameworks and libraries such as Angular, ReactJS/Next.js.
- Implemented RESTful APIs for seamless communication between frontend and backend systems.
- Proven experience in web security and adherence to industry standards. Adept in dealing with Cross-Origin Resource Sharing (CORS) and proficient in managing iFrames to ensure secure and compliant web applications.
- Proficient in leveraging Cloud (Azure/AWS) services with a solid working knowledge, showcasing expertise in cloud computing and utilizing a variety of Azure/Amazon Web services.
- Proficiently employed GIT version control within the configuration management system for effective code management.
- Collaborated with cross functional teams and implemented new features and enhancements.
- Conducted code reviews and performed unit testing to ensure code quality and reliability using Jest and Jasmine Testing Frameworks.

Technical Skills

Programming Languages:	JavaScript (ES6+), TypeScript (v5.1), Java
Front-End/ Frameworks:	React.js(v18) / Next.js (v13.5), Angular(v15), HTML5, CSS3/SCSS, Tailwind CSS, Spring Boot

Responsive Design/UI Libraries:	Bootstrap, CSS Grid, Ag Grid, Flexbox, Media queries, Responsive images, Material Ui, Angular Material
State Management:	Redux, Angular Services (for Angular), Context API, RxJs
Back-End Development/ Database:	Node.js, Express.js, PostgreSQL, MongoDB
API Integration/ Testing:	Axios, Jest, Jasmine-Karma, Jest, Ruby Capybara, Selenium, Cucumber
Build Tools/ IDEs/Tools/ Debugging Tools:	Webpack, Babel, Vite, VS Code, Insomnia, Postman, Storybooks, SoapUI, Jira, Confluence,
	Chrome Developer toolbar, IE Developer Toolbar, Safari Developer toolbar
Version Control:	Git, GitHub/GitLab/Bitbucket, Stash, Jenkins
Cloud Knowledge:	AWS/Azure

Career Overview

UI Developer, Costco, Issaquah, WA

Nov 2024 – June 2025

Description:

Contributed to the design and development of a web application to streamline supply chains, focusing on front-end development and end to end implementation. The application aims at scoring the supply chains to focus on a transparency which fosters Costco's quality principle.

Responsibilities:

- Designed and developed a responsive frontend using React.js /Next.js, Typescript, and Tailwind CSS to create a user-friendly interface for the application.
- UI development with techniques like Tailwind CSS, ReactJS, Typescript, Redux and ES6.
- **Designed and developed a chatbot** for SCRM, enhancing user engagement and automating responses.
- Implemented backend functionality using Node.js, express.js, allowing for integration of backend and frontend.
- Developed reusable and modular React.js/Next.js components, promoting code reusability and maintainability.
- Implemented **server-side rendering (SSR)** and **static site generation (SSG)** to optimize performance and SEO.
- Created and managed CI/CD Pipeline for the front-end application for automated builds, testing and deployments.
- Dockized the frontend application to integrate with the backend ensuring smooth integration with backend services in Azure env. Created Docker images, managed containers, and orchestrated deployments for efficient software delivery.
- Embraced Agile practices such as iterative development, continuous feedback, and adaptive planning.
- Created Conceptual Architectural Document (CSA) for the application.
- Managed global state with Redux, ensuring consistent and predictable data flow.
- Developed RESTful APIs to facilitate communication between the frontend and backend systems, enabling seamless data exchange.

- Implemented authentication and authorization mechanisms to ensure secure access to patient records and sensitive information.
- Applied JavaScript for client-side scripting, form validation, and DOM manipulation. Also, used promises and async patterns for efficient data handling in React.
- Conducted thorough testing and debugging to identify and resolve issues, ensuring the reliability and stability of the application.
- Implemented Azure DevOps Services for project management tasks, source code repository, continuous integration and deployment.
- Optimize the application's performance through caching, load balancing, and minimizing blocking code.
- Designed and implemented responsive web applications that adapt seamlessly to various screen sizes using Tailwind CSS.
- Contributed to the project's success by meeting deadlines, adhering to best practices, and delivering high-quality code.

Environments: React(v17), Redux, JavaScript (ES6+), NodeJS, Express.js, HTML5, Tailwind CSS, Ag-Grid, Restful Apis, PostgreSQL, JIRA, Git, Bitbucket, Agile, Scrum, Azure Services/Portal, Azure DevOps, Lucid Chart.

UI Developer, Deloitte, Remote

Jan 2024- Oct 2024

Description:

The project is a web application designed to streamline the process of managing patient appointments and medical records. As a Full stack Developer, I played a key role in the development and implementation of this project.

Responsibilities:

- Designed and developed the frontend using Next.js, React.js, HTML5, CSS3 and TailwindCSS to create a user-friendly interface for patients and healthcare providers.
- Integrated a PostgreSQL database to store patient information, appointment schedules, and medical histories.
- Developed reusable and modular React components, promoting code reusability and maintainability.
- Implemented Next.js to enable better routing, performance, and SEO capabilities.
- Embraced Agile practices such as iterative development, continuous feedback, and adaptive planning.
- Skillfully employed Redux for centralized state management in React applications.
- Developed RESTful APIs to facilitate communication between the frontend and backend systems, enabling seamless data exchange.
- Implemented authentication and authorization mechanisms to ensure secure access to patient records and sensitive information.
- Used React Promises to manage asynchronous operations within React applications.
- Collaborated with healthcare professionals to gather requirements and incorporate feedback into the application design and functionality.
- Applied JavaScript for client-side scripting, form validation, and DOM manipulation.
- Conducted thorough testing and debugging to identify and resolve issues, ensuring the reliability and stability of the application.
- Implement new Front-End features with Typescript/ JavaScript and other RESTful APIs.

- Created Docker images, managed containers, and orchestrated deployments for efficient software delivery.
- Optimize the application's performance. This includes things like caching, load balancing, and minimizing blocking code.
- Provided documentation and training materials to support users in navigating and utilizing the Outpatients Project effectively.
- Contributed to the project's success by meeting deadlines, adhering to best practices, and delivering high-quality code.

Environments: React(v17)/Next.js, Redux, JavaScript (ES6+), Node, HTML5, CSS3/SCSS, Restful Apis, PostgreSQL, JIRA, Git, Bitbucket, Agile, Scrum, AWS.

UI Developer, MTX Group Inc Remote.

July 2023- Dec 2023

Description:

The platform dealt with an educational interface which provided the schools and parents to have easy and smooth access to the students/children's day to day life events at schools making the parents a step closer to the child.

Responsibilities:

- Developed and maintained scalable web applications using **Next.js, React, and TypeScript**.
- Architected and implemented RESTful APIs in following **MVC** design patterns, enabling seamless data exchange with React-based front-ends
- Created reusable UI components and layouts using **Tailwind CSS** and **Next.js App Router/Pages Router**.
- Created a responsive and intuitive user interface using React.js, HTML, and CSS/Tailwind css.
- Implemented dynamic data rendering and user interactions using React hooks and components.
- Worked on an Azure DevOps data migration tool, data provides a high-fidelity approach to transfer code from Azure DevOps Server to Azure Portal Services.
- Experience in building Docker images using Docker files and container-based deployments on Kubernetes.
- Ensured cross-browser compatibility and optimized performance for an enhanced user experience.
- Working with Axios Library to fetch data from network requests.
- Conducted in-depth analysis to identify user needs and ensure alignment with organizational goals.

Environments: React(v17)/Next.js, Typescript, HTML5, CSS3/SCSS, Tailwindcss, PostgreSQL, JIRA, Git, Bitbucket.

Senior Software Engineer, SmartStream Technologies, India

March 2022 – Feb 2023

Description:

SmartStream TLM (Transaction Lifecycle Management) products play a critical role in managing and optimizing the transaction lifecycle for liquid assets within financial institutions. These institutions,

including major players like HSBC, Goldman Sachs, JPMorgan Chase, and Morgan Stanley, rely on SmartStream TLM to handle various aspects such as monitoring the latest balances, cash flows, and identifying anomalies in their financial processes.

Responsibilities:

- Took charge of upgrading the Angular version across four interdependent repositories, ensuring a successful deployment. Additionally, contributed a pivotal role in analyzing the existing structure and implementing optimizations to create lightweight Angular pages.
- Utilized Angular 12 to craft functional templates and user templates on Storybook. Spearheaded the development of critical modules and dashboards, including Anomalies, Cash Flow, and Unexpected Transactions.
- Used Cascading Style Sheet (CSS) in web pages to separate presentation from structure.
- Designed and developed the system using Agile Methodologies
- Served as a front-end developer, proficiently utilizing Node.js (JavaScript), Express.js to facilitate interactions with REST APIs for mocking the backend for frontend development.
- Enhanced the React Observables with Redux, React-router and Redux-thunk.
- Engaged in data fetching and storage using MySQL within the context of company applications. Additionally, involved in comprehensive end-to-end application testing by employing Cucumber and Typescript.
- Developed the web application with the newest React features centralized with Hooks.
- Tasked with ensuring code quality through meticulous and proactive unit testing, covering a variety of scenarios, as well as conducting regression testing using Jasmine and Karma. Developed comprehensive integration and functional unit test cases, achieving code coverage of 95% across various scenarios.
- Used Typescript to write the Angular Components, Modules, Services, and Models.
- Used Azure DevOps Services for source code repository and to build project artifacts.
- Used React Observables to create custom components for data manipulations and to display data in company standard format.
- Created documentation and guidelines for using CSS/SCSS within the development team, facilitating efficient onboarding and knowledge sharing.
- Managed GitHub repositories containing the entire UI codebase, overseeing tasks such as merging code, reviewing, and resolving conflicts.
- Additionally, fulfilled responsibilities within the Scrum framework by actively participating in code reviews, offering feedback, and ensuring code quality while reviewing contributions from fellow colleagues.
- Used React Router to create a Single Page Application (SPA) which can bind data to specific views and synchronize data with server.
- Additionally, played a key role in testing cross-browser compatibility for web portals, meticulously validating performance and functionality across different browsers, including Google Chrome, Firefox, Safari, and Internet Explorer.
- In charge of integrating application pages and orchestrating their deployment on Docker for the local environment, including the management of CSS and bundled files.

Environments: Angular (12/13), RxJs, Typescript, JavaScript (ES6+), HTML5, CSS/SCSS, Bootstrap, Material Ui, Angular Material Ui, MySQL, Node.js, Express.js, Restful Apis, Webpack, Docker, JIRA, Confluence, Bitbucket, Git, Agile, Scrum, Storybook, Cucumber, Jasmine-Karma Insomnia, AWS.

Description:

The Dealer Admin Portal, a component of BMW Canada, was designed to offer users a simplified and maintainable interface for interacting with the database. It facilitated access to the database without requiring direct access, providing a user-friendly platform for efficient database interactions. CFA (Credit Financial Application) is a segment of BMW Financial Services, specializing in handling car payments both during and post-purchase. This division plays a crucial role in managing the financial aspects of car transactions.

BMWNext and Mini are two applications dedicated to creating user-friendly digital garages. These applications empower users to access and retrieve details at their fingertips, eliminating the need to visit a dealer or garage physically. The primary aim is to enhance user convenience and streamline information retrieval processes.

Responsibilities:

- Accountable for interpreting business requirements and translating them into system-specific views using Angular versions 8, 9, and 10. Responsibilities also include troubleshooting issues and addressing defects reported through JIRA, ensuring seamless functioning and continuous improvement of the Angular-based system.
- Leveraged Angular, Typescript, and Webpack to architect a resilient and scalable solution, surpassing client expectations. This involvement reflects a commitment to effective teamwork and the delivery of high-quality solutions in line with project requirements.
- Actively involved in the TD (Technology Development) process, contributing to the implementation and configuration of web applications using Angular versions 8, 9, and 10. This includes the utilization of ngRx for state management within the Redux store, as well as other foundational technologies such as HTML, CSS/SCSS, JavaScript, and JSON web services. This role encompasses the entire development lifecycle, demonstrating proficiency in building robust and dynamic web applications.
- Insured code robustness by using Typescript on React Native mobile Frontend.
- Experience in setting up and automating infrastructure using IAC tools like Terraform, ensuring scalability, security, and high availability.
- Participated in the end-to-end development lifecycle, spearheading and overseeing all project phases. This encompassed ideation, requirements gathering, design, development, testing, deployment, and post-launch support.
- Developed Asynchronous means of retrieval of data from the Server and Database using AJAX features as well JavaScript. And using Node.js applications to be written in JavaScript.
- Collaborated closely with cross-functional teams, emphasizing robust communication and coordination among developers, designers, and stakeholders to ensure alignment with project objectives and milestones.
- Managed the development and maintenance of a comprehensive project plan, detailing tasks, timelines, and resource allocations. This strategic approach aimed to ensure on-time and within-budget delivery, fostering a well-organized and efficient project execution.
- Developed and implemented comprehensive end-to-end testing strategies for diverse projects, utilizing a spectrum of technologies, including Java, Selenium, Ruby on Rails, and Capybara.
- Collaborated closely with development teams, ensuring a deep understanding of requirements, and seamlessly integrated automated tests into the continuous integration and continuous delivery (CI/CD) pipeline. This approach aimed to enhance the efficiency of the development process by automating testing procedures and facilitating rapid and reliable software delivery.

Environments: Angular (v8-10), RxJs, ngRx, Typescript, JavaScript (ES6+), HTML5, CSS/SCSS, Bootstrap, Angular Material Ui, MySQL, Restful Apis, Webpack, JSON, MySQL, Jira, Confluence, Git, Bitbucket, Agile, Scrum, Postman, Java, Selenium, Ruby-On-Rails, Capybara, Cucumber.

Bachelor's of Engineering, VTU, India

2012-2016