Bhargav Mangaduddi

Morrisville, NC, United States

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My Portfolio | bhargavmangaduddi (LinkedIn)

Summary

Accomplished and results-driven Full Stack Developer with 8 years of experience in the software development industry. Proficient in a wide array of technologies, including React, Angular, and Java, among others. Demonstrated expertise in developing scalable, high-performance applications from concept to deployment. Skilled in both front-end and back-end development, with a strong focus on creating intuitive user interfaces and robust backend architectures. Proven ability to collaborate effectively within cross-functional teams to deliver innovative solutions that meet and exceed client expectations. Possess a passion for staying updated with emerging technologies and implementing best practices to drive continuous improvement.

Skills

Web Technologies	JavaScript, TypeScript, C++, HTML5, CSS3 Media Queries, Pseudo Elements, Ajax, RESTful Services, ES6, Docker, SQL, Node.js, Java/J2EE, Servlets, JavaBeans, Python, JDBC, Cypress
IDE & Tools	Eclipse, Visual Studio, Atom, JIRA, Software Development Life Cycle (SDLC)
Version Control Tools	Git, GitHub, GitLab, Bitbucket
XML Technologies	XML, DOM
TS/ JS Libraries & Frameworks	ReactJS, NextJS, Redux, Angular (Versions 15, 17, and 2), React Semantic UI, Material UI, AG-Grid, Ant-Design, Redux Toolkit, Redux create slice, Axios, Spring
CSS Frameworks	Ionic, React Semantic UI, Ant Design, Material UI, Bootstrap, Tailwind CSS, AG Grid, D3.js
Data Access	Oracle, SQL, MySQL, JSON, RESTful Services, GraphQL, Integration of HTTP requests, JSON
Build Tools	Webpack, Babel, MAVEN, NPM
Accessibility Testing Tools	NVDA (Non-Visual Desktop Access), JAWS, Screen Magnifiers, AQA ADA Extension
Other	Agile, Custom Reusable React Components, Forms, Events, Routers, Form validation, Reactive forms, Closures, Promises, Prototypal inheritance, Modular functions

Experience

Ecommerce Developer – Amtrak • Washington, D.C.   07/2023 – Present
- Developed web applications using modern development techniques across the full stack, with a particular focus on front-end development using **Angular**, and **Bootstrap** to ensure seamless user interfaces.
- Achieved a good amount of **increase in accessibility** on the Amtrak website by utilizing expertise in accessibility standards to identify and resolve production defects, ensuring that the product met **WCAG** standards, resulting in an inclusive user experience.
- Involved in the **migration** of libraries from Angular **version 12** to **version 17**.
- Assisted in accessibility project planning, establishing, and administering accessibility testing programs, and remediating the issues to ensure compliance with **W3C** Web Content Accessibility Guidelines (WCAG). Developed and maintained standard templates for testing applications for WCAG 2.0 compliance.
- Hands on experience with assistive technologies such as **JAWS**, **NVDA**, and Voiceover.
- Analyzing code review and fix them and screen reader review for **accessibility issues**.
- Developed a web application using Angular 12 as front-end and using Web API to receive and pass data to back-end.
- Experience in working with advanced JavaScript such as **ECMAScript 6** (**ES6**).
- Provided comprehensive support throughout the **Software Development Lifecycle**, adhering strictly to established software development methodologies and industry best practices for successful project outcomes.
- Experience in using **JSON** (JavaScript Object Notation) a lightweight data-interchange format to build collection of name/value pairs and ordered list of values.
- Created Typescript **reusable** components and services to consume RESTful API's using component-based architecture.
- Implemented **Angular Router** to enable navigation from one view to the next as the customer interacts with the application.
- Worked on **GIT** as a version control and **JIRA** for bug tracking.
- Used **RESTFUL** web services to **fetch** data from the server and use response data across the components and display with the help of HTML.

Environment: HTML5, CSS3, TypeScript, Bootstrap, SASS, Angular 12, Node.js, JSON, REST APIs, JIRA, Agile scrum, Accessibility, JAWS, NVDA, W3C, GIT, VS Code.

Ecommerce Developer Intern – Amtrak • Washington, D.C.   03/2023 – 05/2023
- Developed web applications using modern development techniques across the full stack, with a particular focus on front-end development using **Angular**, and **Bootstrap** to ensure seamless user interfaces.
- Achieved a good amount of **increase in accessibility** on the Amtrak website by utilizing expertise in accessibility standards to identify and resolve production defects, ensuring that the product met **WCAG** standards, resulting in an inclusive user experience.
- Assisted in accessibility project planning, establishing, and administering accessibility testing programs, and remediating the issues to ensure compliance with **W3C** Web Content Accessibility Guidelines (WCAG). Developed and maintained standard templates for testing applications for WCAG 2.0 compliance.
- Hands on experience with assistive technologies such as **JAWS**, **NVDA**, and Voiceover.
- Analyzing code review and fix them and screen reader review for **accessibility issues**.
- Using variety of methodologies like-Visual Analysis, Color Sampling, Keyboard only, Browser Plug-ins, Automated Scans, Screen Reader Reviews, & Code Reviews.
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Senior Software Engineer – WML IT Solutions • India   11/2020 – 01/2022

- Developed and implemented precise front-end architectures to seamlessly support user interface concepts, ensuring 100% accuracy. Utilized **Next.js** framework in conjunction with **Node.js** and various CSS frameworks for robust server-side web application development.
- Used CSS, **ReactJS**, **redux**, saga, **Thunk**, react HOC, Material-UI, React Bootstrap, **Axios**, flux, Next.js, SASS, LESS for applying style in entire applications. Developed web page applications that meet the requirements as specified by **ARIA**, **WCAG**.
- Used **ES6**, AngularJS, ReactJS, Redux framework for binding, DOM models linking, view model underlaying data and behaviors.
- Used ES6 features like **arrow functions**, **promises**, classes and block scoped constructs and worked on **React Web frameworks** like Next.js, for creating **Single-Page Applications (SPA)**
- Developed Restful API's as **Micro Service**. Involved in all the phases of the portal changes - Analysis, Design, Development, Testing and Deployment.
- Developed components such as inputs, dropdown buttons etc. and pages in Next.js for **server-side rendering**.
- Explored and integrated new features to align with prevailing User Interface trends, ensuring the application remains contemporary and user centric.
- Oversaw the end-to-end development of projects, orchestrating all phases from conceptualization to deployment, ensuring alignment with stakeholder requirements and project objectives.
- Good Understanding of **Document Object Model** (**DOM**) and **DOM Functions**.
- Ensured end-to-end project delivery by liaising with functional teams, comprehensively understanding their requirements, and delivering solutions that meet their needs.
- Enhanced the efficiency of developed components by employing performance tuning techniques, resulting in optimized and high-performing system objects.
- Experience of working on CSS Pre-processors SASS and LESS with Vanilla.js task runner Gulp.
- Experienced with version control tools such as **GIT** as project management tool.
- **Optimized React components** to achieve peak performance, streamlining application functionality and responsiveness.
- Spearheaded the development of web applications for the project, providing strategic direction and guidance to the development team.
- Assumed responsibility for assessing, reviewing, and implementing bug fixes, maintaining the quality and integrity of the application throughout its lifecycle.

Environment: React, Next.js, Redux, Axios, ES6, React HOC, React Observables, React Async Await, React Promises, Saga, Thunk, JavaScript, HTML5, CSS, Ajax, Bootstrap, SCSS, CORS, WCAG, XSS, SASS, LESS, Java, MySQL, Rest, Node.JS, Microservices, Visual Studio, Sublime Text, Webpack, Chrome DevTools, NPM, nginx, GitLab, GitHub, Scrum, Agile, Docker, JSON, XML, JIRA, Slack, Babel, JSLint.

Full Stack Developer – WML IT Solutions • India   12/2017 – 10/2020

- Spearheaded the design and development of **APIs**, focusing on creating robust and efficient RESTful services tailored for the enterprise product within the business.
- Engineered **Angular** components for the web application, significantly enhancing page performance, resulting in substantial improvements in user experience and efficiency.
- Experienced in React.js and working with **React Flux architecture**.
- Developed various screens for the front end using **React JS/Redux** and used various predefined components from NPM.
- Conducted database management and optimization using **Oracle SQL**.
- Engaged in every stage of the Software Development Life Cycle (**SDLC**), employing Agile methodologies from analysis to deployment.
- Used Spring **MVC** Framework Dependency Injection for integrating various Java Components.
- **Developed Servlets** in forwarding requests to different servers and Servlets.
- Experience in working with advanced JavaScript such as **ECMAScript 6** (**ES6**).
- Used **WebLogic** for deploying various components of application.
- Experienced with version control tools such as **GIT** as project management tool.
- Created and sustained web services through the utilization of Spring Boot and **RESTful APIs**.
- Oversaw database operations, ensuring data persistence, with the use of Hibernate and **JPA**.
- Improved the User Interface and User Experience **(UI/UX**) by implementing **HTML5**, CSS3, **TypeScript**, and **JavaScript**.
- Configured the **Spring** Framework and seamlessly integrated Hibernate **ORM**.
- Employed **Maven** for efficient project building and dependency management.

Environment: React.JS, Redux, Angular 2, Java/J2EE, JSP, Servlets, JavaBeans, ES6, Redux, Typescript, JavaScript, HTML5, CSS3, Ajax, Bootstrsap.JS, Angular.JS, CORS, Java, Oracle, MySQL, REST, Node.JS, Chrome DevTools, Visual Studio, Nginx, GitHub, Docker, JSON, XML, Jira.

Software Engineer – Webpatshala Solutions • India   02/2015 – 11/2017

- Developed non-functional **HTML** and **CSS** pages from mockups and involved in UI review with Designers to ensure excellent User Experience (**UX**).
- Produced content pages with CSS3 layout and style markup presentations and used **pure JavaScript(Vanilla.js)** methods and properties.
- Involved in the development of presentation layer and **GUI** framework in JSP, HTML and client-side validations were done using JavaScript.
- Designed dynamic client-side JavaScript codes to build web forms and simulate process for web application, page navigation and form validation.
- Used Cascading Style Sheets (CSS) to maintain design consistency across all web forms.
- Involved in injecting dependencies into code using **Spring IOC** module of Spring Framework.
- Built RESTful Webservices interface implemented in Java.
- Performed REST validations and created **REST** exception Handlers and used **Postman** to test REST services.
- Worked on Initial Spring and **Maven** Configuration set for the Project Spring - Maven Framework.
- Conducted database management and optimization using **Oracle SQL**.
- Participated in Agile Scrums and Sprints.
- Experienced with version control tools such as **GIT** as project management tool.
- Developed client-side validations using **JavaScript form validations**.
- Employed Maven for efficient project building and dependency management.

Environment: Java/J2EE 8, Spring MVC, Rest API, Oracle SQL, JSON, Restful Web services, MySQL, Postman, JS validations, HTML, CSS, Maven, GIT, Jira, Windows.

Education

Wichita State University – Master's   01/2022 – 05/2023
Achieved my master's degree with 3.81 GPA, specializing in Data Science

Osmania University – Bachelor's   10/2010 – 06/2014
Achieved my bachelor's degree, specializing in Electronics & Communications