Bhargav Mangaduddi

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Career Overview

Accomplished and results-driven Full Stack Developer with over 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, Docker, SQL, Node.js, Java/J2EE, Servlets, JavaBeans, Python, JDBC
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
Data Access	Oracle, SQL, MySQL, Rest, JSON, RESTful Services, 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

Full Stack Developer – Amtrak   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.
- 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.
- Implemented Kafka connects **JDBC** connected to oracle data base using Goldengate.
- Used **Spring Kafka API** calls to process the messages smoothly on Kafka Cluster setup.
- 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.
- Created Typescript **reusable** components and services to consume RESTful API's using component-based architecture.
- Coded and debugged the stored Procedures, Packages and Views in Oracle Databases using SQL and PL/SQL, which were called by user-oriented application modules.
- Strong knowledge of OOPs concepts, Multithreading, Exception handling, and Collection framework.
- 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: Angular 12, Java, JDBC, HTML5, CSS3, TypeScript, Bootstrap, SASS, Node.js, JSON, REST APIs, JIRA, Agile scrum, Accessibility, GIT, VS Code.

Ecommerce Developer Intern – Amtrak   03/2023 – 05/2023

- Created Angular 12 components, implemented Interpolation, Input Variables, Bootstrapping, **NgFor**, **NgIf**, **Router Outlet**, event binding, and decorators.
- Implemented **Form Group** and Form Array to get all the user data to manipulate in the **controller** and send data as required by the backend.
- Created and maintained user behavior test automation using Protractor and **Cypress**.io.
- Implemented **HTTP** requests using **RXJS Observable** library to handle multiple values over time.
- Troubleshot and resolved complex application issues promptly, utilizing diagnostic expertise to maintain optimal performance and functionality.
- 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.

Environment: HTML5, CSS3, TypeScript, Bootstrap, SASS, Angular 12, Node.js, JSON, REST APIs, JIRA, Agile scrum, Accessibility, ES6, GIT, VS Code.

Senior Software Engineer – WML IT Solutions   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 **ReactJS**, **Redux**, **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 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.
- Created **JUNIT** test cases and ran the TEST SUITE using EMMA tool.
- Experience in building isomorphic applications using React.js and Redux with **GraphQL** on server side.
- Developed components such as inputs, dropdown buttons etc. and pages in Next.js for **server-side rendering**.
- Extensive experience working on **Spring** IOC/ Dependency Injection and all Spring modules, Struts Framework, Hibernate, Struts.
- Worked on creating various types of indexes on different collections to get good performance in **Mongo database**.
- Strong Knowledge on Hibernate and in using Hibernate Connection Pooling, HQL, Collections, Hibernate Caching, Hibernate Transactions.
- Created service accounts using **Terraform** with the respective roles to support the services deployed Managing the GCP Tech Stack.
- Good Understanding of **Document Object Model** (**DOM**) and **DOM Functions**.
- Developed Servlets in forwarding requests to different servers and **Servlets**.
- Model View Control **MVC** design pattern is implemented with MVC2, JSP, and JavaBeans to control the flow of the application in the Presentation/Web tier.
- Experienced with version control tools such as **GIT** as project management tool.
- **Optimized React components** to achieve peak performance, streamlining application functionality and responsiveness.
- Use of **data structures and algorithms** for time and memory complexity reduction.
- 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   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.
- Successfully delivered complex objects independently, ensuring they functioned seamlessly without dependencies, contributing to a more modular and adaptable system architecture.
- Involved in **JUNIT** testing, integration testing, system testing etc.
- 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.
- Created Session **Beans** and controller **Servlets** for handling HTTP requests from **JSP** pages.

- Model View Control **MVC** design pattern is implemented with MVC2, JSP, and JavaBeans to control the flow of the application in the Presentation/Web tier.
- 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   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**).
- Involved in the development of presentation layer and **GUI** framework in JSP, HTML and client-side validations were done using JavaScript.
- Installing and configuring Linux/Unix, and Windows operating systems, Oracle, My SQL and SQL server databases, and web services (REST and SOAP).
- Involved in injecting dependencies into code using **Spring IOC** module of Spring Framework.
- Built RESTful Webservices interface implemented in Java.
- Developed the backend by using Node.js and **Mongo DB** in a standalone project.
- 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.

Career Summary

- Currently working as a Java Full Stack Developer for **Amtrak** as a contract employee with **Aadhya Technologies LLC** as the employer from July 7th, 2023, to Till Date.
- Worked as an E-Commerce Developer Intern for **Amtrak** from March 6th, 2023, to May 6th, 2023.
- Worked as a Senior Software Engineer for **WML IT Solutions** as a full-time employee from Nov 1st, 2020, to Jan 1st, 2022.
- Worked as a Full Stack Developer for **KERnel Business Solutions** as a contract employee with WML IT Solutions as the employer from Dec 6th, 2017, to Nov 1st, 2020.
- Worked as a Software Engineer for **Webpatshala Solutions** as a full-time employee from Feb 1st, 2015, to Nov 30th, 2017.

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 with 6.5 CGPA, specializing in Electronics & Communications