**Koushik Velchuri**

**koushikv1991@gmail.com**

**4302550785**

**SR UI DEVELOPER**

* **Professional Summary:**
* With over **9+years** of experience, In designing User Interface applications and professional web applications using **HTML/HTML5, CSS/CSS3, JavaScript, Bootstrap, AngularJS, Angular, EXTJS, React, ECMAScript 5/6, DOM, jQuery, Ajax, XML, JSON, and Node.js server.**
* Adapted open-source **NLP** software to develop and implement a custom framework for chatbot maintenance tasks.
* Implemented a chatbot using **Dialog Flow**.
* Experience in creating and utilizing **RESTful** web services and **SOAP**.
* Extensive hands-on experience with Microsoft SQL Server for database management. Skilled in **React JS** including **React Flux** architecture for front-end development.
* Experience in advanced development of Object-Oriented Web applications utilizing **MVC** architecture.
* Experience in **Node.js** and **AngularJS** for web development, adept at **DOM** manipulation, and skilled in managing front-end dependencies with **Bower**.
* Additional proficiency with **AJAX** calls and transmitting/retrieving **JSON** data files in React applications.
* Proficient in requirement analysis, implementation, and maintenance, with hands-on experience in **Agile and Scrum methodologies.**
* Expertise in creating JavaScript frameworks including **Backbone, Angular, Node, Express, Underscore, React/Redux,** and **Ember.**
* Revamped websites using **TypeScript** programming and implemented **Angular 9** layout, utilizing **TypeScript** for the creation of static web pages.
* Experience in web application development using **Ruby on Rails** technology.
* Real-world experience with multiple versions of **Angular**, including **Angular 2,4,7,8,9,10,11,12,13,14,15**, **TypeScript, JavaScript, HTML5, CSS3, and Node.js.**
* Developed new features **and** maintained consumer-facing interactions using **HTML, Bootstrap 3, Bootstrap 4, JSP, JavaScript (JS), JSON, CSS,** and **ReactJS.**
* Expertise in **Ruby on Rails**, particularly in developing **RESTful APIs** and implementing **MVC** (Model-View-Controller) architecture.
* Implemented portable analytics systems within a multi-cloud environment (**AWS and GCP**) using open-source software such as **Airflow** and **Kubernetes**.
* Demonstrated expertise using Docker and Kubernetes for application orchestration and containerization. Skilled in Git version control, which guarantees effective code management and teamwork.
* Expertise in utilizing **Mockito** for effective testing to ensure software reliability. Skilled in establishing **Jenkins** continuous integration and delivery pipelines to streamline software development processes.
* Experience in creating and utilizing **RESTful** web services and **SOAP**. Hands-on experience with databases such as **Microsoft SQL** Server.
* Experience in **React JS** and working with the **React Flux** architecture.
* Expert in developing object-oriented web applications using **MVC** architecture.
* Practical experience with front-end technologies, focusing on interactive/Web 2.0 technologies such as **HTML5, CSS3, Ajax, and AngularJS.**
* Good experience in working with **Core Java** development.
* Utilized a **Model View Controller (MVC)** framework for building Single Page Applications (**SPAs**), such as **Angular JS** framework.
* Good understanding of the directory structure and setup of **Angular** projects, with experience using **Bootstrap** to create responsive web pages.
* Strong understanding of developing dynamic web pages with **jQuery**. Proficient in creating and utilizing **RESTful** web services and **SOAP**.
* Thorough understanding of **CSS3**, including proficient knowledge of **Grid** and **Flexbox** layout approaches.
* Experienced in employing **media queries** to ensure designs are mobile-friendly and responsive. Proficient in using Sass or Less, **CSS** pre-processors that streamline the creation of effective and maintainable stylesheets.
* Extensive knowledge of **HTML5**, including its new features and semantic markup practices.
* Experienced in crafting **SEO**-friendly, accessible, and organized **HTML** documents. Knowledgeable in **HTML** best practices and adherence to web standards.
* **TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| * **Web/Java Technologies**
 | * HTML5, CSS3, XML, XHTML, XSLT, JavaScript, React.js, Core Java, AJAX, JSON, Bootstrap, Hibernate, MongoDB, Struts, Spring Boot, JSP, JUnit, Gradle, Maven
 |
| * **JavaScript Libraries**
 | * Angular.js, Angular 2,4,7,8,9,10,11,12,13,14,15, JQuery, Node.JS, React JS
 |
| * **IDE & Tools**
 | * Eclipse, Notepad++, IntelliJ IDEA, Sublime Text 3, TextMate, Microsoft Publisher, Brackets
 |
| * **Database**
 | * PL/SQL (Oracle), MySQL, MSSQL (Microsoft SQL Server), MongoDB, Teradata
 |
| * **Development Tools, Methodologies& Environments**
 | * Agile (as software development methodology), AWS (S3, Lambda, SQS, SNS, DynamoDB), Jenkins, CircleCI
 |
| * **Version Control**
 | * Perforce, CVS, SVN, GIT
 |
| * **Publishing Tools**
 | * Adobe PageMaker, MS Office
 |
| * **Methodologies**
 | * Agile, Waterfall, TDD
 |
| * **Azure**
 | * Azure Blob Storage, Azure Cosmos DB, Azure Redis Cache, Azure DevOp
 |

* **PROFESSIONAL EXPERIENCE:**
* **Client: Kaiser Permanente, California, US June 2022 – Present**
* **Role: Sr React Developer/UI Developer**
* **Responsibilities:**
* Involved in designing and developing web pages and mobile screens using **ReactJS, React Native, Redux, Redux-saga, Node.js, CSS, TypeScript, JavaScript, JSX, Next.js, Bootstrap, MongoDB, Node.js, NPM.**
* Utilizing **React Hooks** such as useState, useEffect, useContext, and custom hooks to efficiently handle state management, manage side effects, and share state logic across components.
* Developed a front-end web and mobile application for Microsoft MyHub using **React JS, React Native, Redux, Redux-saga, Bootstrap, ES6/Babel, and Webpack**.
* Utilized **React JS** to design responsive webpages compatible with all browsers and devices, complemented by **React Native** for mobile screen development.
* Developed Single-page Responsive web pages using **HTML5, ReactJs, CSS3, JavaScript**.
* Using **useEffect** to handle side effects like data fetching, DOM manipulation, and subscription management, ensuring efficient component lifecycles.
* Developed user interface by using the **ReactJs**, **Redux** for SPA development.
* Designed and developed custom visualizations using **D3.js**, including bar charts, line charts, scatter plots, heatmaps, and hierarchical diagrams.
* Implemented advanced features such as tooltips, zooming, panning, and data filtering to enhance user engagement and facilitate data exploration.
* Demonstrated expertise in data binding with **D3.js,** dynamically updating visualizations in response to changing data.
* Demonstrated proficiency in building server-rendered and statically generated web applications using **Next.js.**
* Extensive experience with **React 17** and the ability to adapt to newer versions like **React 18**.
* Used React Native for templating for faster compilation and developing reusable components.
* Experienced in developing **React** components and proficient in utilizing **Axios** with **ReactJS** for making AJAX calls.
* Worked with **Webpack** for building projects and **webpack-dev-server** for serving applications during development.
* Developing the application from scratch using **React Native** and **Redux.**
* Wrote views using **JSX** and utilized flexbox and styled components for effective styling and layout management.
* Utilized **React JS** Virtual DOM and components to render views, incorporating nested components that function similarly to custom HTML tags.
* Integrated **Azure AD** for authentication and authorization within our project.
* Implemented **CI/CD** pipelines using **Azure DevOps** to automate deployment of React applications.
* Optimized website performance by implementing code-splitting, lazy loading, and image optimization techniques.
* Experience in **Node.js** for server-side development, specializing in creating efficient RESTful APIs and integrating real-time features.
* Experience in integrating **MongoDB** databases with **Mongoose ORM** for scalable and secure data management solutions.
* Implemented **Azure** Functions for serverless computing to execute backend logic efficiently.
* Worked on creating comprehensive **JUnit** unit test cases using **Test-Driven Development (TDD)** methodology.
* Implemented automated build and release pipelines using **DevOps** Pipelines.
* Configured YAML-based pipelines for compiling, testing, and packaging the React application.
* Developed deployment scripts and release pipelines for automating React application deployment to target environments.
* Enhanced web application performance through server-side rendering (SSR) capabilities of **Next.js**.
* Managed and maintained **Jira** instances, including projects and workflows and Schemes.
* Developed unit and integration tests for database interactions in **React** applications, using testing frameworks like **Jest** and tools like **Supertest** to ensure data accuracy and reliability.
* Developed RESTful or GraphQL APIs using technologies like **Node.js** or **Express.js** to serve as intermediaries between React frontend and PostgreSQL databases.
* Utilized Reacts Context API to establish a centralized state management system for large-scale applications, enhancing data sharing and reducing prop drilling.
* Managed Various stages of the pipeline releases, including deployment approvals and environment configurations.
* Diagnosed and resolved build and release issues, ensuring smooth and error-free deployments.
* **Environment:** React JS, React Native, **Redux**, react hooks, Redux Saga, reselect, Node JS, Jest, **Mocha, Enzyme**, HTML5, CSS3, Next.js**, PostgreSQL**, Bootstrap, npm, JavaScript, webpack, **Karma**, ES6, babel, Jenkins, **YAM**L.
* **Client : Staples Inc., Boston, MA Aug 2020- May 2022**
* **Role : UI Developer**
* **Responsibilities :**
* Used **JavaScript** for developing UI Components like Editable drop down, data-driven menu customizations.
* Developed mockups and prototypes using **HTML** and **CSS3**.
* Extensively coded in **jQuery** to make rich internet webpages and created custom date picker on the website.
* Developed user interfaces using **JSP** with **JavaBeans, JSTL, Custom Tag Libraries, JavaScript, CSS, jQuery, AngularJS**, and **HTML** to speed up application performance.
* Utilized **JDBC** to query, update, and maintain Database Servers using **SQL** queries.
* Used **Bootstrap and AngularJS, ReactJS and Node.js** in effective web design. Re-designed the website to improve user experience and add new functionality.
* Worked on the website from scratch using **HTML5/CSS/JavaScript**.
* Designed dynamic and browser-compatible websites using **HTML5/HTML, JavaScript (JS), CSS,** and Web 2.0 standards.
* Experience **JavaScript** and **XML** to update sections of web pages, thereby reducing bandwidth usage and load time. Integrated modal dialogs in web pages for user input and requests.
* Integrated **Bootstrap.JS** into several applications for speeding up JavaScript development.
* Edited **CSS** and **HTML/XML** source code to customize the appearance of products to align with customer websites.
* Developed **Angular 9.0** services using factories to efficiently handle JSON data.
* Implemented **Angular 10.0** controllers to manipulate and view employee task data.
* Utilized **AngularJS HTTP** methods to retrieve employee task data from entity models.
* Developed page layouts, navigation, animated buttons, and icons. Experienced in using the **SASS** pre-processor.
* Implemented various client-side validation controls using third-party libraries like **Validator JS**.
* Involved in the creation of interface to manage user menu and Bulk update of Attributes using **AngularJS, Node.js and jQuery**.
* **Environment**: JavaScript, HTML, jQuery, XML, Ajax, SDLC, Agile, JSP, **Angular 10/9**, **PHP**, CSS, Adobe Flash, **GIT,** SQL, Oracle, Windows, MySQL, SASS, **Node.js.**
* **Client : Huntington, Columbus, OH Oct 2018-July 2020**
* **Role : Sr. UI Developer**
* **Responsibilities :**
* Implemented Spring-based RESTful APIs for data retrieval and manipulation.
* Performed complex functionalities using **Angular 8** Reactive Forms and conducted validations using Form Builder.
* Implemented responsive layouts and UI components using **Angular Material** and **Bootstrap** to ensure consistency and compatibility across various devices and browsers.
* Implemented two-way data binding in **Angular 8** to facilitate automatic synchronization of data between model and view components using TypeScript and Angular8.
* Integrated necessary UI controls like custom validations, threshold inputs, date pickers, radio switches, and dropdowns to effectively filter relevant data within the DOM structure of the presented views.
* Developed and implemented interceptors for HTTP requests and responses in Angular applications to include request headers and standardize response data structures.
* Worked Extensively with **Angular CLI** for creating components, services, pipes and directives.
* Participated in the user story grooming sessions and provided the necessary inputs to meet Acceptance Criteria.
* Developed a web-based customer application with **HTML5, CSS3, TypeScript, JSON**, and Angular 8.
* Designed responsive UI pages using Bootstrap and CSS media queries to ensure proper display across different screen sizes and achieve cross-browser compatibility.
* Worked on **RESTful** web services and used Angular forms like Template Driven forms and Reactive forms to perform from validations both on a server and client-side.
* worked on Angular Routes and extensions, utilizing Router Config to manage injectable URL paths and customize components for each web pages.
* Developed front-end applications using **Angular, incorporating Dependency Injection, RxJS,** and **HTTP** modules.
* Developed an application with the concept Lazy Loading to optimize application launch time.
* Collaborated with a team to migrate an application to a microservices architecture, enhancing performance and scalability.
* Assisted in adopting Docker for containerization, facilitating simplified deployment and environment management.
* Deployed and managed applications using **AWS** services including **EC2, S3, Lambda, RDS**, and **ECS.**
* Implemented Continuous Integration/Continuous Deployment (CI/CD) pipelines using **AWS** Code Pipeline, Code Commit, and Code Deploy.
* Used Version control system **GIT** and **bit bucket** as code repository.
* Used Jenkins for CI and for End-to-End automation for all builds and **CD, Jest/ Cypress/ Postman** to write testcases.
* **Environment:** HTML5, CSS3, SASS, JavaScript, Bootstrap, Angular8, Typescript, Material UI, RWD, GIT, JIRA, WEB API’s, Jest, Cypress, Postman, Karma, NPM, and VS Code.
* **Client : Diksha Technologies, Bangalore, India Feb 2016-July 2018**
* **Role : React Developer**
* **Responsibilities :**
* Developed responsive webpages **using HTML5, CSS3, JavaScript, ReactJS, Redux** and **SCSS.**
* Used ReactJS and Redux for creating custom UI components for data manipulations and implemented React-Router to turn application into Single Page Application.
* Designed and implemented project architecture, focusing on best practices and scalability
* Developed Lowe’s Returns UI application used by store staff and managers to efficiently manage customer returns.
* Developed reusable components and services to interact with REST APIs, Utilizing the component-based architecture of **ReactJS**.
* Collaborated with cross-functional teams, including data analysts and designers, to transform data requirements into effective D3.js visualizations.
* Maintained clear and concise documentation for **D3.js** projects, facilitating knowledge sharing and future development.
* Delivered Advance Search Flow, Manager Override, Email or Print or Both Receipt flow, Cash Refund, Item quantity update features.
* Worked with **ReactJS Virtual DOM** and views, rendering components that contain additional elements called custom HTML tags.
* Integrated a third-party payment gateway into the React application, enhancing the customer's ability to make payments directly through the portal.
* Implemented stable **React JS** components and stand-alone functions that can be easily added to any future pages.
* Utilized React to develop an efficient data flow architecture, resulting in a lightweight and render-efficient web app.
* Collaborated with back-end developers and UX designers to ensure seamless integration of front-end components.
* Experience in writing unit test cases using **Test Driven Development (TDD)** by creating test suites with Jest and Enzyme.
* Experienced with modern front-end development tools such as **Webpack, Babel,** and **NPM**.
* Experienced in using **JIRA** and following the **SAFe** Agile development process.
* Implemented incident categorization and prioritization techniques to enhance response times and optimize resource allocation.
* Integrated Azure Blob Storage, Azure Table Storage, and Azure SQL Database for storing and managing application data.
* Implemented Azure Logic Apps for automating workflows and orchestrating tasks across multiple Azure services.
* Created virtual infrastructure on **AWS**.
* Designed and implemented scalable architectures using Azure Auto Scaling and Load Balancers.
* Automating application deployment on AWS.
* Performed penetration testing on web applications.
* **Environment**: HTML5, CSS3, JavaScript, jQuery, RESTFul Web Services, JSON, **MongoDB**, Node.js, PostgreSQL, ExpressJS, **Jasmine**, karma, GIT, Scrum, Agile, **Webstorm**, React.js , Redux, Bootstrap, **Amazon Web Services.**
* **Client: ICE MORTGAGE TECHNOLOGY, India Jun 2014 – Jan 2016**
* **Role: Web Developer**
* **Responsibilities:**
* Worked on developing front end pages in a professional manner using **HTML, CSS, JavaScript, jQuery** and **AJAX.**
* Developed user interface by using **React JS, Redux** for SPA development and implemented client-side Interface using React JS.
* Experience using one-way/two-way data binding, filters, UI-routers, and creating custom directives in **Angular 2**.
* Played a crucial role in defining, implementing, and enforcing quality practices within the team organization to uphold internal controls, quality standards, and compliance policies.
* Used the **AngularJS framework** to store backend data in models and populate it to the UI.
* Performed unit testing during the development phase to ensure application functionality across various devices using Jasmine in AngularJS.
* Extensive experience working with CSS Borders, Layouts, Positioning, Animations, Text, Margin, Padding, Tables, Pseudo-classes and Pseudo-elements.
* Created and optimized graphical prototype websites and application interfaces using **HTML** and **CSS**.
* Responsible for styling and enhancing the look and feel of web pages using **SASS**, which extends **CSS** with dynamic features such as variables, mixins, operations, and functions.
* Used **JSX** to create React components.
* Responsible for developing a Single Page Application using ReactJS and Redux architecture to enhance internal team productivity.
* Used RESTful web services to communicate with the backend, utilizing POST, PUT, DELETE, and GET methods for application integration.
* Successfully migrated legacy database systems to **PostgreSQL**, ensuring data integrity and minimizing disruption.
* Implemented data validation and sanitization techniques to enhance the security and integrity of data stored in PostgreSQL databases, mitigating risks such as SQL injection and other security vulnerabilities.
* Implemented various validation controls on web pages using **JavaScript**.
* Applied optimization techniques to reduce page size and load times to enhance user experience using sprites.
* Implemented various UI interface modules using JavaScript and pre-defined components from NPM (Node Package Manager) and the Redux library.
* Debugged the application using Firebug to traverse documents, manipulate nodes using the DOM, and utilized DOM functions in Firefox. IE Developer Toolbar for debugging in Internet Explorer.
* Designed and developed a prototype video to showcase company features.
* Developed a high-performance, reusable code library for both UI and backend components.
* Developed **MYSQL** and **MongoDB** based backend.
* Integrated modules into **Node.js** applications to align with design specifications and requirements.
* Developed Web APIs using Node.js and hosted them on multiple load-balanced instances.
* Developed form validations using **AngularJS** messages modules.
* Implemented reusable templates using JavaScript handlebars and generated layouts.
* Developed data visualization tools using **Algorithmic Programming, WebSocket, JSON, and AJAX** for market sentiment indicators, live streaming price panels, live events countdown widgets, and economic calendars.
* Modified Shopify templates to incorporate client branding, customized menu structures tailored to specific categories, and set up categories, product pages, blogs, and special pages as per client requirements.
* Tested created pages using JavaScript testing frameworks such as **Mocha, Jasmine** and **Karma**.
* Interacted with Testing Team, Scrum Masters, and Business Analysts to address and resolve issues.
* Worked with QA teams to fix bugs and conduct load and performance testing.
* Used **AJAX** and **JSON** to send requests to the server to test the functionality of websites.
* **ENVIRONMENT:** HTML, CSS, JavaScript, jQuery, AJAX, JSON, XML, XHTML, Eclipse, Notepad++, Dreamweaver, RESTful, Docker, GIT,Adobe Photoshop, PostgreSQL, MS Office and SVN.
* **Education Details :**
* Bachelors Jawaharlal Nehru Technological university, India 2010-2014