Aravind R

Full Stack Developer
React | Angular | JavaScript | Node | AWS - CCP

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Professional Summary:

A passionate and detail-oriented Full Stack developer experienced in designing and developing the user interfaces of applications with a knack for creating visually stunning and user-friendly web interfaces and comprehensive and scalable web applications. My experience spans various domains, such as telecom, healthcare, banking, and insurance. With expertise spanning both front-end and back-end development, I create seamless digital experiences that delight users and drive business success with a strong foundation in HTML 5, CSS3, JavaScript, Typescript, jQuery, React JS, Angular, ES6, NodeJS, Express JS, Charts JS, Vue JS, Next JS, Charts JS, Graph QL, Prisma, Java/J2EE, Python, D3 JS, JSON, AJAX, Material-UI, Tailwind CSS, Bootstrap, Spring Boot, Hibernate, JDBC, Babel, .NET, C#

Education and Certifications:

- Masters, UNC-Chapel Hill, 2018
- AWS - CCP, Certified Cloud Practitioner from the Amazon Web Services

Technical Skills:

Technologies	HTML 5, CSS3, JavaScript, Typescript, jQuery, React JS, Redux, Angular, ES6, NGRX, NodeJS, Express JS, Charts JS, Vue JS, Next JS, Hapi JS, Charts JS, Graph QL, Prisma, Java/J2EE, Python, D3 JS, JSON, AJAX, Material-UI, Tailwind CSS, Bootstrap, Spring Boot, Hibernate, JDBC, Babel, .NET, C#
Testing Frameworks	Jest, Enzyme, Mocha, Jasmine, Karma, Cypress, Protractor, React Testing Library
CI/CD Tools	Maven, Jenkins, Bamboo, GitLab, GitHub Actions
IDE	Visual Studio, IntelliJ, Sublime, Notepad++, Eclipse IDE, WebStorm
Databases	Oracle, MySQL, SQL Server, Mongo DB, PostgreSQL, Dynamo DB
Build Tools	Webpack, Rollup, Grunt, Gulp, Vite
Application servers	Tomcat Server, WebSphere, WebLogic. AWS
Version Control Tools	SVN, CVS, GIT, TFS, VSTS, GitLab, GitHub, Bitbucket
Project Management	JIRA, Confluence, Trello, Workday, Rally, Monday, Microsoft TFS
Project Methodologies	Agile, Scrum, Waterfall
AWS Technologies	S3, EC2, RDS, Lambda, CDN, Cloud Watch, SNS, SQS, EKS, ECS
W3C web standards	WCAG 2.0, 2.1, ADA, Section 508, i18n internationalization

Professional Experience:

Verizon, Basking Ridge, New Jersey   **Nov 2022 - Present**
Senior Software Engineer

Responsibilities:

- Designed and developed web pages using HTML 5, CSS3, JavaScript, TypeScript, Bootstrap, SASS, LESS, React JS, Next JS, Redux, MobX, and Node JS
- Developed Single Pages Application (SPA) using HTML5, CSS3, Bootstrap, React Async Await, Next JSs, GraphQL, Express JS, NodeJS, Socket, LESS.

- Experienced in working with Redux architecture using complex Object-Oriented concepts to improve the websites' performance
- Worked with React JS components, Forms, Events, Keys, Router, Animations, and Redux concept
- Worked on responsive web design (RWD) and developed webpages that could be served to desktop, tablets, and mobile environments using React JS and Next JS, focusing on usability and accessibility.
- Implemented server-side rendering (SSR) and static site generation (SSG) to optimize performance and SEO.
- Revamping and rewriting the front end using React JS, Redux-Saga, Webpack
- Experienced in creating charts and visualizations with D3.js and Charts.js. developed desktop and online apps using Electron.js.
- Expertise using React JS / Redux / JSX / Flux to build user interfaces with states, props, middleware, store, action creator, reducer, presentational and container components, and React Hooks
- Developed several custom React Hooks and worked on hooks like usestate, usememo, useeffect, usereducer, useref and usecallback. Used Redux Saga along with Redux thunk to handle asynchronous calls efficiently
- Provided consultation and development support services for engaging in a commercial-grade search engine, including Elastic search, HTML, CSS, Responsive Web Design (RWD), Test Driven Development (TDD), Continuous Integration (CI), and Continuous Delivery (CD).
- Using Node.js, several microservices were created, and a logging framework was put in place to log all request and response data to the Splunk server. Achieved API calls from back end NodeJS using React Axios
- Used jQuery, JSON, AJAX, and DOM scripting to create interactive web applications like message posting and auto-complete form validations
- Familiar with Micro Frontend (MFE) architecture and implemented it in the UI for improved scalability, maintainability, and development speed.
- Familiar with integrating UI microservices with backend API and managing the communication between UI microservices and backend services using protocols and standards such as RESTful APIs and GraphQL
- Experienced with Hibernate, Spring Boot microservices, Spring JPA, and SQL and NoSQL databases, including SQL, My SQL, Mongo DB, and Dynamo DB
- Worked with Python and the Django framework to develop and manage online applications.
- Implemented performance-tuning by efficiently handling DOM manipulation, minimizing browser reflows and repaints, and event delegation for event handling on numerous elements.
- Developed unit tests using Jest, Enzyme, Cypress, and React test renderer for testing React components
- Ensured data security in MySQL through proper user access controls, encryption, and regular security audits
- Implemented and supported Section 508, WCAG, and ADA compliance during development of applications

Cigna, New York, NY   **Apr 2021 – Oct 2022**
Senior Software Engineer

Responsibilities:

- Developed web-based customer application using HTML5 and CSS3, TypeScript, JSON, AJAX, Angular
- Designed and developed Portal using Angular 12/13/14 along with HTML5, CSS3, JavaScript, jQuery, Bootstrap, and TypeScript
- Worked with Angular Forms, Validations, Modules, Factory Services, DOM, Events, Expressions, Directives, Controllers, and filters. Worked on CSS pre-processor frameworks SASS and LESS
- Worked on Angular with TypeScript and other latest client-side technologies, including ReactJS, ES6, Gulp, NodeJS, RxJS, Angular CLI, Webpack, Chrome DevTool, Karma, and Jasmine
- Utilizes J2EE frameworks such as Spring, Hibernate, Struts, and JSF for application development.
- Integrate with frontend technologies like HTML, CSS, JavaScript, and AJAX for building user interfaces
- Used Babel JS to transpile ES6 and JSX into JavaScript.
- Experience working on various UI Charting tools such as PrimeReact, Chart.js, Recharts, and FusionCharts
- Built components using Angular and RXJS platforms and developed components as independent modules for reusability across the application
- Experience using Webpack, Babel, Grunt, and Gulp for transpiration (compilation) configuration for TypeScript to be converted to JavaScript.

- Experience working with RESTful Web Services and implementing RESTful APIs and SOAP protocols.
- Worked with JSON web tokens for authentication and authorization of security configurations using Node JS
- Worked with Grunt and Gulp for task runner configurations
- Experienced in using GitLab CI and Jenkins for CI and End-to-End automation for all builds and CD
- Utilized tools like Jenkins, Docker, docker-compose, and helm to build, test, and deploy code related to the eCommerce platform
- Thoroughly understanding DevOps concepts, including using GitHub, SonarQube, Jenkins, Nexus, Maven, Gradle, and Ansible, to establish best practices for Continuous Integration (CI) and Continuous Delivery (CD).
- Exposure to Application Servers like IBM WebSphere, BEA Web Logic, Apache Tomcat, and JBoss.
- Implemented performance-tuning strategies such as reducing the number of HTTP requests by combining CSS and JavaScript files, using image sprites, and implementing browser caching.
- Responsible for deployments on Docker Compose environment for NodeJS apps running on a stack with PostgreSQL and Elastic Search on AWS
- Used Optimizely to develop rich UI components and to perform A/B testing along with website customization and personalization as per the industry standards
- Diagnosed and resolved database-related issues in MySQL promptly, minimizing downtime and data loss.
- Developed UI based on mockups provided by UX designers using tools such as Adobe XD and Figma
- Collaborated with cross-functional teams working in Agile or DevOps environments.
- Familiar with version control systems and collaboration tools like Git and Azure DevOps

PNC Bank, Pittsburgh, PA   **Feb 2020- Mar 2021**
Software Engineer

Responsibilities:

- Designed and developed Commercial Business Portal using Angular and HTML5, CSS3, JavaScript, jQuery, Bootstrap, and TypeScript
- Developed web-based customer application using HTML5 and CSS3, TypeScript, JSON, AJAX, Angular 8/9
- Implement application components using EJB, Servlets, JSPs, and other Java EE technologies.
- Created Web Accessibility (WCAG 2.0) and Section 508 Evaluation report.
- Worked with Angular Forms, Validations, Modules, Factory Services, DOM, Events, Expressions, Directives, Controllers, and filters. Streamlined development process using CSS pre-processors such as LESS and SASS
- Created TypeScript reusable components and services to consume REST APIs using Component-based architecture provided by Angular 8/9
- Used Webpack, Babel, Grunt, and Gulp for transpiration (compilation) configuration for TypeScript to be converted to JavaScript
- Created Angular components and custom directives for application functionality and pipes for heavy DOM manipulation and implemented Lazy Loading and Ahead of Time (AOT) to improve application quality and performance in low bandwidth connections
- Involved in the development of User Interfaces using PrimeFaces, JavaScript, CSS, and AJAX
- Created and consumed RESTful APIs with JavaScript, Node.js, and DB tools like PostgreSQL and Mongo DB.
- Experience working on various UI Charting tools such as High Charts, PrimeNG, and JQplot
- Developed UI reporting and Data Visualization using Ngx-chart.js and D3.js
- Added a Kafka message broker to facilitate communication. Added unit tests to increase code coverage from 45 percent to 86 percent.
- Developed Angular components using RXJS, Kendo components, Dev-Extreme grids, ngx-web- worker, ngx-cookie-service, ngrx-store, and several other libraries to stream real-time Data onto the UI Grids
- Initiated performance-tuning by enhancing initial load times by employing code-splitting techniques to load only necessary JavaScript for each page; developed responsive web designs and enhanced the user experience.
- Optimize complex SQL queries in MySQL for performance and scalability.
- Worked on unit testing for the Angular application using Jasmine and Karma
- Developed UI using UX tools such as Figma

- Used tools like GIT for version controlling, chrome developer tools for Debugging, and Jenkins for deploying the code to different environments

AIG, Farmington, CT   **Dec 2018– Jan 2020**
Sr. Frontend Developer

Responsibilities:

- Developing Web components for e-commerce platform using HTML5, CSS, LESS, Bootstrap, JavaScript, jQuery, Node JS, Grunt, React, and Redux
- Designed and developed Commercial Business Portal using React and JavaScript, Bootstrap, and TypeScript
- Worked with React Hook Forms and Validations and in implementing ES6 and JSX syntax
- Created reusable components and services to consume REST APIs using Component-based architecture
- Moved existing class components to functional components using React Hooks
- Used Webpack, Babel, Grunt, and Gulp for transpilation of configuration from TypeScript to JavaScript
- Involved in the development of User Interfaces using Material, Bootstrap, JavaScript, CSS
- Experience working on various UI Charting tools such as PrimeReact, Chart.js, Recharts, and FusionCharts
- Developed UI reporting and Data Visualization using D3.js
- Worked on unit testing for the React application using Jest and Enzyme
- Experienced with deployments, maintenance, and troubleshooting applications on AWS Cloud
- Involved in implementing various screens for the front end using React JS and various predefined components from NPM (Node Package Manager) and Redux library.
- Worked using React JS components, Forms, Events, Keys, Routers, Animations, and Redux concepts.
- Worked on React UI and architecture. Building components library, including Tree, Slide-View, and Table Grid
- Used SASS, Inline JSX styles, CSS, Styled Components, Styles-JSX, Material-UI, Grommet, and Bootstrap for styling the components. Used CSS preprocessor called SASS and LESS for styling the React Components
- Design, develop, and test Next Js, React JS, and Material-UI that meet accessibility and web browser standards for the website and improve SEO using SSR (Server-Side Rendering)
- Collaborated with backend developers to define and refine GraphQL schemas to ensure optimal data consistency
- Minified HTML, CSS, and JavaScript files for reduced size and enabled Gzip compression to reduce transmission sizes further as a part of the performance-tuning strategy
- Developed UI based on mockups using tools such as Adobe XD
- Monitored MySQL database systems, ensuring high availability and reliability.
- Developed single-page applications using Angular, TypeScript, web pack, and Grunt
- Expertise using WCAG 2.0 Technical Standards for Web Accessibility.
- Implemented a new Docker container creation process for each Git branch to get started on Jenkins as a Continuous Integration (CI) server