**BHAVANA**

**SUMMARY:**

* UI Developer with 9 years of experience in building dynamic, responsive web applications using a broad range of front-end technologies including HTML5, CSS3, SCSS/SASS, and Tailwind CSS.
* Expertise in JavaScript, TypeScript, and modern frameworks like Angular 17+, React 15+ and Vue.js to create scalable and maintainable user interfaces.
* Skilled in state management with NGRX, ensuring predictable state flow and improved maintainability in complex, large-scale projects.
* Strong understanding of Reactive Programming principles with RxJS, utilizing observables to handle data streams and complex async workflows in a declarative manner.
* Experience in building server-side applications using Node.js, creating robust and scalable APIs to handle high-volume web traffic and data processing.
* Experience in integrating RESTful and SOAP web services, ensuring seamless communication between front-end applications and back-end systems.
* Skilled in integrating Node.js applications with databases (SQL/NoSQL) and optimizing backend services to support dynamic front-end frameworks like Angular and React.
* Proficient in using modern testing frameworks and tools such as Jest, Mocha, and Karma for unit and integration testing in JavaScript and TypeScript applications, ensuring high-quality, bug-free code and maintaining application stability.
* Knowledgeable in using NPM for managing dependencies and ensuring smooth build and deployment processes for both front-end and back-end projects.
* Experienced in utilizing cloud platforms such as AWS and Azure to host, scale, and optimize web applications.
* Strong problem-solving abilities, with a commitment to delivering high-performance and user-friendly interfaces.
* Proficient in delivering high-quality solutions within Agile teams, consistently collaborating in sprint cycles, and adapting to changing requirements to ensure timely project delivery.
* Well-versed in version control with GIT and GitHub and experienced in setting up CI/CD pipelines using Jenkins for smooth and automated deployments.

**TECHNICAL SKILLS:**

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| Front-End Web Technologies | HTML5, CSS3, SCSS, Tailwind CSS, JavaScript, TypeScript, React, Angular, Vue.js, NGRX, Redux, RxJS (State Management) |
| Back-End Web Technologies | Node.js, RESTful APIs, SOAP Web Services, GraphQL, JWT (Authenication) |
| Testing & Quality Assurance | Jest, Mocha, Karma (Unit & Integration Testing), Postman (API Testing) |
| Version Control & CI/CD | GIT, GITHUB, Jenkins, GitLab CI/CD, Docker |
| Cloud Technologies | AWS (EC2, S3, Lambda, CloudFront), Azure (App Services, Blob Storgae, Azure DevOps) |
| Tools & Libraries | Webpack, NPM, Yarn, VS Code, IntelliJ IDEA |

**PROFESSIONAL EXPERIENCE:**

**Client: BCBSA, IL Sep’2021 – Present
Role: Sr UI Developer**

**Responsibilities:**

* Developed highly scalable, maintainable Micro frontend architecture for the BlueCard Portal, leveraging Module Federation to enable independent deployment of UI features across various domains, improving codebase maintainability and development speed.
* Utilized HTML5, Tailwind CSS, and Angular 17+, Material UI for building responsive, customizable, and performance-optimized user interfaces, ensuring a consistent and modern look across the portal.
* Implemented **state management** using **NGRX** for Angular and **Redux** for React applications, streamlining the management of global state and ensuring optimal data flow across multiple components.
* Implemented efficient and dynamic routing with lazy loading, route guards, and preloading strategies, ensuring optimal application performance and user experience.
* Leveraged **RxJS** for efficient **asynchronous operations**, handling complex data streams and side effects in a declarative manner for improved performance and maintainability.
* Integrated **Ag-Grid** for advanced data visualization and seamless handling of large datasets, improving the user experience for financial and member-related data in the portal.
* Wrote **clean, modular, and reusable JavaScript** and **TypeScript** code, adhering to best practices for maintainable, type-safe applications, and using **Angular CLI** to streamline build processes.
* Utilized **JWT** (JSON Web Tokens) for **secure authentication** and **authorization** across the portal, enabling role-based access control (RBAC) and enhancing security.
* Integrated RESTful APIs and GraphQL in Angular 17+ projects, streamlining data handling and reducing API response time.
* Employed **Postman** for **API testing**, ensuring smooth communication between the front-end and back-end systems, and validating the correctness of RESTful API endpoints.
* **Backend integration** with **Node.js** for seamless handling of business logic and serving API endpoints for both **front-end** and **back-end** applications.
* Implemented unit tests with Jasmine and Karma to ensure the stability and quality of Angular applications.
* Set up **CI/CD pipelines** using **Jenkins**, automating the build, test, and deployment processes to ensure fast, reliable delivery of features to production.
* Managed package dependencies with **NPM** and **Yarn**, ensuring fast, consistent, and reliable builds.
* Utilized **Webpack** for bundling and optimizing front-end assets, improving load times and performance across browsers.
* Deployed and managed the application on **AWS** to ensure scalability, high availability, and security, utilizing services like **EC2**, **S3**, and **CloudFront** for hosting and content delivery.
* Actively used **Git** for version control, enabling efficient collaboration across multiple teams and ensuring code integrity and history.

**Environment & Tools:** HTML5, Tailwind CSS, JavaScript ES6, TypeScript, Angular 17+, Material UI, Fuse template, React(Redux Library & React native Framework), NGRX, RxJS, NPM, Yarn, Angular CLI, Node.js, Postman, Jasmine, Karma, Sketch, Jenkins, AWS, GIT & GITHub.

**Client: NMIC, Emeryville, CA Nov’2020 – Aug’2021**

**Role: Sr UI Developer**

**Responsibilities:**

* Developed dynamic and responsive user interfaces using Angular10+, HTML5, CSS3, and JavaScript to enhance the user experience.
* Integrated Angular components, services, and directives for efficient data binding and component-driven development.
* Utilized TypeScript for type safety and better code maintainability in Angular applications.
* Used RxJS for implementing real-time notifications and updates. Also ensured data integrity and user input validation using Custom Validation.
* Created reusable widgets such as policy summary cards, claims timeless using angular components which can be used across multiple parts of the application.
* Optimized network calls and API responses to minimize latency and improve user experience for real-time updates in insurance policy status.
* Angular HttpClientModule has been used to integrate with backend services, enabling communication. Also implemented HttpInterceptors to manage security headers and handle API responses globally.
* Worked on NPM (Node Package Manager) to manage project dependencies and automate build processes, ensuring smooth deployments and easy versioning.
* Set up and maintained **CI/CD** pipelines for seamless application deployment and code quality assurance using **Jenkins** and AWS tools.
* Familiar in configuring AWS EC2 instances and managed cloud infrastructure for hosting the insurance platform application.
* Automated testing and build processes using tools like **Jest** and **Karma**, integrated into the CI/CD pipeline to reduce deployment time and improve code reliability.
* Worked in Agile sprints, utilizing JIRA for task tracking and ensuring timely delivery of features and bug fixes.

**Environment & Tools:** HTML5, CSS3, JavaScript ES6, TypeScript, Angular 12+, RxJS, NPM, Angular CLI, Node.js, Postman, Figma, Jenkins, AWS, GIT.

**Client: Verizon, Cary, NC Oct’ 2019 – Oct’2020**

**Role: Full Stack Developer**

**Responsibilities:**

* Developed dynamic and highly responsive web interfaces using React 14+, ensuring seamless user interactions and real-time updates on telecom data such as network usage, service metrics.
* Integrated Redux to efficiently manage global state, providing a smooth user experience across various components by ensuring predictable and maintainable data flow.
* Utilized React Router for navigation, allowing for smooth client-side routing and enhancing the performance of the application by eliminating full-page reloads.
* Involved in developing and deploying Node.js based microservices to improve system modularity, scalability, and to handle business functions like user authentication and data processing.
* Integrated modern JavaScript ES6+ and TypeScript in both Client-side and Server-sde applications to create unified solutions.
* Collaborated and built robust RESTful APIs and integrated into React application, ensuring seamless data exchange with minimal latency.
* Integrated with RabbitMQ or Kafka for efficient asynchronous message processing between microservices, handling real-time data.
* Involved in implementing centralized error logging using Elasticsearch for tracking service errors and optimizing the debugging process across microservices in production.
* Implemented unit tests using Jest for achieving 90% test coverage and reducing production bugs.
* Deployed microservices on Microsoft Azure, utilizing services like Azure Kubernetes Service (AKS) for container orchestration, Azure App Services for hosting Node.js applications, and Azure SQL Database for data storage.
* Used Azure Monitor and Azure Application Insights to track application performance and proactively detect issues, ensuring high availability and performance of the telecom platform.
* Implemented CI/CD pipelines using Jenkins and Docker to automate testing, building, and deployment of microservices, ensuring a consistent and fast release cycle.

**Environment & Tools:** HTML5, CSS3, JavaScript ES6, TypeScript, Angular 12+, RxJS, NPM, Angular CLI, Node.js, Postman, Figma, Jenkins, AWS, GIT.

**Client: Capital One, Richmond, VA Jan’2019 – Sep’2019**

**Role: Java API Developer**

**Responsibilities:**

* Supported and maintained legacy Java-based SOAP APIs and backend services for Capital One, ensuring seamless operation while minimizing downtime in mission-critical applications.
* Involved in the migration of critical legacy SOAP APIs to AWS cloud-based services using tools like AWS Lambda, Amazon API Gateway, and AWS SQS for improved scalability, security, and efficiency.
* Provided tier 2 and tier 3 production support for Java-based SOAP APIs and backend services, ensuring rapid issue resolution and minimal downtime.
* Developed custom AppSupp dashboards for tracking real-time application metrics such as request volumes, latency, transaction failures, and system health, providing stakeholders with clear visibility into system performance.
* Generated daily, weekly, and monthly performance reports using AppSupp, enabling data-driven decision-making and providing insights into areas needing improvement or optimization.
* Configured PagerDuty for real-time alerts and incident escalation, ensuring timely response to production issues.

**Environment & Tools:** HTML5, CSS3, JavaScript ES6, TypeScript, Angular 12+, RxJS, NPM, Angular CLI, Node.js, Postman, Figma, Jenkins, AWS, GIT.

**Client: United Health Care Services, PA July’2018 – Dec’2018**

**Role: Front-End Developer**

**Responsibilities:**

* Developed scalable and high-performance user interfaces using React, HTML5, CSS3, enhancing user experience an streamliing interaction with critical healthcare data.
* Implemented flexible, grid-based layouts with CSS Flexbox and CSS Grid, enhancing the layout structure.
* Implemented responsive design and dynamic features using React, Redux, and React Router, improving the performance and usability of web applications across multiple devices and screen sizes.
* Levaraged TypeScript with React to improve code maintainability, enhance static type checking, and reduce the occurrence of runtime errors.
* Created database-driven UI components that allowed users to interact with medical data, such as patient records and appointment schedules, using React and Axios to fetch and display data from Azure databases.
* Utilized Azure DevOps for managing source code, builds, releases, and deployments, ensuring a streamlined, automated, and consistent development workflow.
* Utilized Git and Azure Repos for version control, enabling efficient collaboration within a distributed development team and ensuring a smooth workflow for code integration and release management.

**Environment & Tools:** HTML5, CSS3, JavaScript ES6, TypeScript, Angular 12+, RxJS, NPM, Angular CLI, Node.js, Postman, Figma, Jenkins, AWS, GIT.

**Client: Third Ware Solutions Limited, India Mar’2015 – May’2016**

**Role: UI Developer**

**Responsibilities:**

* Designed and developed dynamic, interactive web applications using Angular 2, enhancing user experience through two-way data binding and efficient component-based architecture.
* Implemented front-end UI elements using Bootstrap to ensure mobile-first, responsive design, and maintain consistency across different screen sizes.
* Built custom UI components using HTML5 features like video/audio embedding, canvas, and local storage to improve user experience and interaction.
* Applied SCSS/SASS to improve CSS maintainability, enabling nested rules, variables, and mixins for a more scalable and modular styling.
* Implemented unit and end-to-end testing for AngularJS applications using tools like Jasmine.
* Maintained cross-browser compatibility by testing UI components in multiple browsers (Chrome, Firefox, Edge, Safari) and applying browser-specific fixes as needed.
* Utilized Git workflows to ensure smooth code integration, consistency, and continuous deployment.

**Environment & Tools:** HTML5, CSS3, SCSS/SASS, JavaScript, Angular 2+, Jasmine, VSCode, GIT.

**Client: V Sigma IT Labs, India June’2014 – Feb’2015**

**Role: UI Developer**

**Responsibilities:**

* Developed responsive and user-centric web interfaces using HTML5, CSS3, and JavaScript, contributing to the design and functionality of client-side applications.
* Implemented best practices in UI/UX design to enhance user experience, focusing on accessibility, performance optimization, and mobile responsiveness.
* Refactored legacy code by replacing jQuery and other outdated libraries with more modern and efficient JavaScript frameworks, including AngularJS.
* Created and maintained style guides and design systems using CSS frameworks like Bootstrap.
* Developed complex front-end features using JavaScript, integrating RESTful APIs to fetch and display data dynamically.
* Maintained and improved existing UI features through regular updates, debugging, and implementing user feedback.
* Implemented Continuous Integration/Continuous Deployment (CI/CD) pipelines using Jenkins.

**Environment & Tools:** HTML5, CSS3, JavaScript, AngularJS, Proto.io, Jenkins.