**Mani Karthik Sheelam**

**Lead UI Developer React/Angular**

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**PROFESSIONAL SUMMARY**

* **Over 10+ years** of strong experience as a Front End Developer in developing and designing User Interface(UI) for web applications by using **HTML, Swift, Graph QL, AKS, CSS, JavaScript,** **Lightning.js, ES5 & ES6, jQuery,** **i18Next, AJAX, JSON, Jest, RTK, Cypress ,Angular 13, BootStrap, JWT and OAuth,Next.JS React JS, and Node.Js.**
* Skilled in implementing **decoupled CMS architecture**, enabling flexibility in front-end development while maintaining robust content management capabilities. Familiar with tools like **GraphQL** and **REST API** for seamless data retrieval.
* Experience in all phases of software development life cycle (**SDLC**) which includes User Interaction, Business Analysis/Modeling, Design/Architecture, Development, Implementation, Integration, Documentation, Testing and Deployment.
* Solid experience in working with CSS Preprocessors like **SASS** and **LESS** by using **mixins, functions, custom grid systems** following object oriented modular & CSS patterns. Worked with complex **CSS** **Layouts, Positioning, Key frame Animations** **Pseudo Selectors** and **Pseudo Elements.**
* Well versed in CSS Pre-Processors such as SASS, LESS to add nested rules, variables, selector inheritance to CSS. Skillful in developing Responsive/Adaptive Web Design using CSS Bootstrap framework.
* Extensive Knowledge in CSS2/CSS3, LESS and Twitter Bootstrap Styling Modules.
* Strong knowledge in cross browser compatibility issues and W3C standards.
* Experience in implementing Component life cycle architecture, store actions, using [socket.io](http://socket.io/) in React-Redux app to handle real time data, installing React Router, Redux for API calls in React JS.
* Excellent experience in developing and implementing **Responsive Web Design (RWD)** web pages with **cross browser compatibility** complying with **Web Content Accessibility Guidelines** (WCAG) and ability to apply **W3C** web standards; Debug issues using tools like **Browser stack.**
* Good Knowledge in integrating back-end applications with **AJAX** driven web 2.0 front-end using **OO JavaScript** **framework.**
* Solid experience with **Responsive Web Design (RWD)** with involvement in several web application development projects.
* Develop a strategic plan that aligns business requirements with technical solutions. Establish clear objectives for each phase of the **SDLC**, ensuring that all stakeholders share a unified vision of the project.
* Create risk management strategies throughout the **SDLC** by identifying potential technical, resource, or business risks and implementing mitigation plans in early phases.
* Experience in using React JS components, Forms, Events, Keys, Router, plus Redux, Animations and Redux concept.
* Created Reusable react presentation and container components.
* Solid knowledge and experience in Redux and ES2015.
* Expertise working with debugging tools like **Firebug, Chrome Developer Tools**; Sound knowledge about **Profiling** and **Optimizing** a Single Page Application (SPA).
* Experience using all popular text editors like **Atom**, **WebStorm**, **Eclipse, Sublime Text, and Notepad++.**
* Experience in using various jQuery UI controls and corresponding Event handlers etc.
* Strong experience of creating **Restful** services using **Express** and **Restify** Node.js Frameworks.
* Proficient front-end UI pages and necessary backend JAVA classes to support data access and user authorization.
* Expertise in working on automatic build process by using **Jenkins** and **Maven**.
* Worked on AWS to integrate the Client-Side code to the Server Code.
* Sound knowledge in unit and integration testing frameworks and libraries like **Jasmine**, **Mocha** & **Karma.**
* Hands on experience with using Version Control Systems (VCS) tools like **SVN** & **GIT.**
* Good in communicating with clients, customers, managers and other teams in the enterprise at all levels.
* **Highly passionate and curious** about new Front-End development technologies and has ability inmastering them with a keen awareness of new industry developments.

**TECHNICAL SKILLS**

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| --- | --- |
| **Web Technologies** | HTML/HTML5, CSS/CSS3, JavaScript, TypeScript, XML, JSON, Ajax, SASS, LESS, Responsive web design, GoLang, Bootstrap, Git, GitHub |
| **Frameworks & Libraries** | React.js, Redux, Angular JS, Angular13, Vue.js, jQuery, Next.JS, NodeJs, Mongo DB, Express.js, Jenkins, |
| **IDE & Editors** | Atom, Sublime Text, IntelliJ, Notepad++, Eclipse, Microsoft Visual Studio |
| **Debugging Tools** | Chrome Developer Tools, Firebug, W3C Validator, Git, Browser stack |
| **Database** | MongoDB, MySQL, Oracle11g, PostgreSQL |
| **Operating Systems** | Windows 7, OSX, Linux |
| **Cloud Computing Platforms** | Microsoft Azure, AWS |

**WORK EXPERIENCE**

# State of Wisconsin Dec’2023 –Present

**Lead UI Developer React/Angular**

**Responsibilities:**

* Experience working in **Agile development** environments, participating in sprint planning, daily stand-ups, and retrospective meetings to deliver high-quality software iteratively and adaptively.
* Led a team of front-end developers to build dynamic, high-traffic web applications using **Next.js** and integrated multiple **CMS** platforms like **WordPress**, **Drupal**, and **Contentful** for flexible content management.
* Implemented **GraphQL** APIs for efficient data fetching, reducing network requests and improving application performance.
* Built responsive and scalable web applications using **Angular 9**, adhering to industry best practices and design patterns.
* Used Node.JS to structure JavaScript code to build Restful webservices
* Developed user interface by using **HTML5**,**CSS3**,**Bootstrap**, **JavaScript, jQuery, Angular,** **ReactJs, Redux and ES6** that meets accessibility and web browser standards for website.
* Developed and maintained a scalable design system and reusable component libraries in **Figma** to ensure consistent UI/UX across applications.
* Experience in building responsive web applications using **ReactJs** and **CSS** frameworks like Bootstrap or Material-UI, ensuring optimal user experience across devices.
* Proficient in implementing client-side routing using **React Router**, enabling seamless navigation and user-friendly **single-page application (SPA)** experiences.
* Migrated several legacy applications to modern **Next.js** and **React** frameworks, significantly improving performance and scalability.
* Integrated RESTful APIs with **Angular 9** applications using HttpClient for robust and secure data exchange.
* Worked on implementing micro frontend architecture to break down current monolithic ReactJS based app utilizing **React/Redux, lodash, Webpack, Jest, ESLint, HTML5, SASS** and cross-app authentication using backend REST APIs.
* Skilled in designing and developing **reusable UI** components in **ReactJs** to maintain consistency and improve code maintainability across projects.
* Managed HTTP requests and API integrations using Axios, enhancing data retrieval and manipulation processes
* Vastly involved in converting the wireframes to templates using **HTML5** and **CSS3**; Wrote advanced HTML5 & CSS3 with **Accessibility** and **Aria** support; Wrote **media-queries** for various **breakpoints**, there by implementing **Responsive Web Design** principles within the application.
* Worked on the **AWS S3** integration into the application via the **AWS SDK** to host user generated content within the application.
* Integrated and customized headless **CMS platforms** (e.g., Contentful, Strapi, Sanity) for seamless content management and delivery, enabling marketing teams to manage website content without developer intervention.
* Leveraged **SP Services** plugin to interact with various share point services.
* Implemented various jQuery libraries like **moment.js** to format time, **data tables** jQuery plugin to display large data sets.
* Created detailed design documentation and utilized **Figma's** developer handoff features for an accurate and efficient development process.
* Used **jQuery** within application along with third party community modules dropdown and carousel implementations and various other plugins.
* Prototype CI/CD system with GitLab on GKE utilizing kubernetes and Docker for the runtime environment for the CI/CD systems to build and test and deploy.
* Worked with Google Cloud Spanner, utilizing it as a highly scalable, globally distributed relational database for handling large datasets with high availability and strong consistency.
* Used J2EE design patterns like Factory pattern & Singleton Pattern.
* Implemented database schemas and queries on Spanner to optimize data storage and retrieval for cloud-native applications.
* Used **bootstrap** as the **grid system** to manage the layout and application styles.
* Used **AWS Cloud front** as the engine to serve static assets within the application.
* Used **Cargo CLI** to build the application along with the frontend assets and resources.
* Responsible for migrating legacy HTML/CSS code to latest **HTML5/CSS3** keeping the markup semantic.
* Used **Source Tree** for committing and pushing changes to VCS repository.
* Primarily used **IntelliJ** and **Atom** for rapid development purpose.
* Responsible to develop a few internal jQuery plugins used throughout the site
* Involved in direct discussion with the BA and the Design team to get the required look and feel of the application
* Used **Safari Web Inspector** and **Chrome Developer Tools** to debug both scripts and styles
* Strong understanding and practical experience with state management libraries such as **Redux** or **Context API**, effectively managing application state to ensure data integrity and scalability.
* Deployed and managed containerized applications on Google Kubernetes Engine (**GKE**), ensuring scalability, high availability, and efficient resource management.
* Experience in automating deployments, scaling, and managing applications through Kubernetes orchestration on GKE clusters.
* Integrated Google Pub/Sub for asynchronous messaging and event-driven architecture, facilitating real-time communication between distributed services and improving system decoupling.
* Set up Pub/Sub topics and subscriptions to handle high-throughput data streams and enable event-based microservices architectures.
* Ability to identify and implement performance optimization techniques in **ReactJs** applications, such as code splitting, lazy loading, and bundle size optimization, to enhance application speed and responsiveness.
* Familiarity with testing frameworks such as **Jest** and **Enzyme** for writing unit tests and performing component-level testing, ensuring code reliability and identifying and fixing bugs efficiently.
* Familiarity with **CI/CD** pipelines for automated build, test, and deployment processes, using tools like **Jenkins** or **GitLab CI** to streamline development workflows and ensure code quality..
* Interacted with **Testing Team**,**Scrum Masters** and **Business Analysts** for fixing of Issues.
* Strong analytical and problem-solving skills, with the ability to troubleshoot issues, identify root causes, and implement effective solutions in a timely manner.

**Environment** HTML, CSS,CMS, JavaScript, Jest, RTK, and Cypress, SASS, Bootstrap, Figma, ES6, TypeScript, jQuery, GraphQL, Angular 9, UX, Lightning.js,ReactJs,Next.JS, Redux saga, Angular, CI/CD ,AJAX, JSON, i18Next, HTTP, NodeJs, GIT, Sourcetree, Web accessibility, AKS, Swift, Responsive Web Design, Web pack, Jenkins, AWS,GKE,GCP, Visual studio Editor.

# Cisco,CA Jul’2023 – Dec’2023

**Sr UI/React JS Developer**

**Responsibilities:**

* Design and develop MERN-Stack applications using **React JS**, **Redux**, **TypeScript, JavaScript**, **Node JS, Express JS, MongoDB,** **HTML5**, **CSS3**and **GIT**.
* Working with and writing APIs according to REST standards, UI development with **React/Redux**, integration with relational and non-relational databases, and writing server-side logic in **Node JS**.
* Developed **RESTful** web APIs using **Node.js**, **Express.js,** and tested **APIs** using Postman.
* Created Back end using **NodeJS, Express JS** and included **Axios** (Promise based HTTP client for the browser and Node JS) to get results from multiple search APIs.
* Built and optimized responsive web applications using **React** and **Next.js**, focusing on performance and user experience enhancements.
* Spearheaded the migration of a monolithic website to a **headless CMS architecture** with Next.js, resulting in a 50% increase in development efficiency and a 30% reduction in page load times.
* Worked with modules like **MongoDB** and mongoose for database persistence using **Node JS** to interact with **MongoDB**.
* Architected and developed scalable, SEO-friendly web applications using **Next.js**, leveraging **Server-Side Rendering (SSR)**, **Static Site Generation (SSG)**, and **Incremental Static Regeneration (ISR)** to enhance performance and user experience.
* Created high-fidelity, interactive prototypes in **Figma** for usability testing and to communicate design concepts to developers and stakeholders.
* Successfully migrated existing applications to **Angular 9**, resolving compatibility issues, and ensuring smooth transitions.
* Implemented and maintained Swift-based applications, ensuring seamless performance and user experience across iOS platforms.
* Integrated **REST APIs** with CMS platforms such as **Drupal** and **Contentful**, ensuring seamless data flow and dynamic content rendering.
* Responsible for developing the **AWS** lambda Microservices for the POC application which I developed.
* Worked on creation of custom **Docker** **container** images, tagging, and pushing the images.
* Developed unit test cases for various **React JS** components using **Jest** and **Enzyme**.
* Design and develop high-quality front-end UI applications using **HTML5**, **CSS3**, **TypeScript**, **React JS**, **Redux**, **Node JS** and **GIT**.
* Integrated enterprise applications using both SOAP and RESTful web services, ensuring seamless communication between disparate systems.
* Designed, developed, and consumed SOAP services using WSDL, XML, and XSD for secure and reliable communication between systems.
* Implemented RESTful APIs adhering to REST principles, ensuring stateless, scalable, and easy-to-maintain interfaces.
* Collaborated with back-end developers to design robust **RESTful** and **GraphQL APIs**, facilitating seamless integration between front-end and back-end systems.
* Wrote and maintained tests using Jest and RTK, ensuring code quality and reducing bugs.
* Developed web applications with the newest React features centralized with Hooks.
* Use **Redux** for application state management and maintain the state of an entire application in a single immutable state tree, which can't be changed directly.
* Incorporated with **React-Router-Dom** to handle routing.
* Integrated GraphQL for efficient data fetching and handling complex queries.
* Worked with the **Material-UI** library for the designing purpose while creating the functional components which can be reused.
* Utilized Lodash for efficient data manipulation and utility functions, optimizing code performance and readability.
* Implemented form validation with Formik and Yup, ensuring data integrity and user input validation.
* Use **Redux** for application state management and maintain the state of an entire application in a single immutable state tree, which can't be changed directly.
* For stateful management, replaced with new Hooks like **useState**, **useEffect**, **useReducer**, **useRef**…
* Used Middleware, **redux-thunk** in application to retrieve data from Back-End and perform RESTful services.
* Good hands-on experience with **AWS** like EC2, S3, SQS, IAM, Cloud Watch, EBS and Cloud Front.
* Write unit test cases and test the functionality of the applications using **JEST and Enzyme**.
* Utilized **Cloud Watch** to monitor resources **such as CPU memory, Amazon RDS, DB services, DynamoDB** tables and **EBS volumes.**
* Use **Jira** for issue and task tracking.
* Configured i18Next for application internationalization, supporting multiple languages and locales.
* Utilize Bitbucket **(GIT)** as a version control system to maintain current and previous versions of source code, web pages, documentation.
* Worked on **Mocha** package and used **Chai** to write unit test cases on **NodeJS**.
* Participate in business meetings and coordinate with the team to understand the business meets and implement the same into a functional design.
* Use **Jira** for issue and task tracking.
* Utilize **Bitbucket (GIT)** as a version control system to maintain current and previous versions of source code, web pages, documentation.

**Environment:** ReactJS, Redux, CMS,JavaScript, Lodash, Figma, i18Next,Angular 9, Formik and Yup, Jest, RTK, and Cypress, TypeScript, AWS,Next.JS, Node.js, Express JS, MongoDB, Graph QL, Swift, Axios, NoSQL, Enzyme, Mocha, Chai, Jenkins, Git.

# Webhelp PVT LTD, Hyderabd, India Nov’2019 – July’2022

**Sr UI/React / Angular Developer**

**Responsibilities:**

* Worked on an **Agile (Scrum) Development Team** to deliver regular updates to business team and project managers.
* Developed dynamic responsive Web Application by integrating React with Bootstrap which is further integrated with Web Services.
* Extensively used React Functional based pattern, React hooks, Axios, Material UI and Styled components.
* Developed user interface by using **HTML5**,**CSS3**,**Bootstrap**, **JavaScript, jQuery, Angular**, **Typescript,** **ReactJs, Redux and ES6** that meets accessibility and web browser standards for website.
* Enhanced application performance by Angular component based development in view of Angular framework transitions.
* Implemented form validation using Formik and Yup, enhancing user input handling and validation processes.
* Secured applications with JWT and OAuth, providing robust authentication and authorization mechanisms.
* Spearheaded the development of multiple large-scale web applications using Lightning.js, enhancing user experience and application speed.
* Used deploying applications on Apache Tomcat, Node JS.
* Implemented Angular router to enable navigation from one view to the next as customer performs application tasks.
* Worked on enhancing application performances of analyzing animations, Lazy loading, memorizing and Using React perf, React Profiler and other developer tools to analyze rendering time and performance.
* Worked as a UI Developer assisting my team in developing two different Web-based applications
* Implemented **ES6** features, Used **Babel**, **Web pack** with ES2015, React, JSX presets.
* Functionalities include writing code in HTML, CSS, JavaScript, jQuery and JSP making use of Bootstrap framework.
* Used **Angular** framework for building web-apps and is highly efficient in integrating with Restful services.
* Worked on Bootstrap CSS framework for Responsive Web Design; Used **SASS** Preprocessor for CSS preprocessing.
* Implemented data-binding and **MVC** using Angular for front-end development of a current web application.
* Using Angular factory and services for **dependency injection.**
* Used Nodejs to structure JavaScript code to build endpoints.
* Developed reusable components using **Custom Directives** in Angular.
* Developed applications using Angular single page applications SPAs to improve page performance.
* Used $http service in Angular to consume **RESTFUL** Web Services.
* Used React Components on the view layer, Angular for business logic.
* Used Grunt for build tool for configuring tasks, Karma, Jasmine for Unit Testing.
* Worked with the team, helping them build out their markup and CSS. My Specialty is large scale CSS, focusing on reusability and modularity.
* Worked with **JASMINE** unit test framework to write unit tests for JavaScript code.
* Experience in developing and implementing **Responsive Web Design (RWD)** web pages with **cross browser compatibility**; Debug issues using tools like **Browser stack.**
* Designed new, modular, Ul components to be used/documented in our interactive pattern library using Pattern Lab & React Storybook.
* Used Vue.js events distribution and and parent chain for parent-child component communication.
* Proficient in using unit testing framework along with **Jasmine**,**Karma**,**Protractor**,**Mocha** test runners.
* Gained Experience in debugging and troubleshooting existing code using Firebug and Developer Tools
* Great ability to write clear, maintainable, well-documented, well-commented and efficient code for web development.
* Interacted with **Testing Team**,**Scrum Masters** and **Business Analysts** for fixing of Issues.

**Environment** HTML, CSS, JavaScript, Formik and Yup, SASS, Bootstrap, Figma, ES6 , TypeScript, Lightning.js, jQuery, ReactJs, Redux saga, Angular, Vue.js, AJAX, JSON, NodeJs, JWT and OAuth, Gulp, GIT, Sourcetree, Web accessibility, Responsive Web Design, Web pack, Jenkins, Visual studio Editor.

# Wipro PVT LTD, Hyderabad, India May 2015 – Oct 2019

**UI Developer**

**Responsibilities**:

* Creating Front-end Applications **using HTML5, CSS3, JavaScript, jQuery, Angular 2, AJAX, XML and JSON.**
* Using Angular factory and services for **dependency injection.**
* Developed reusable components using **Custom Directives** in Angular.
* Contribute positively to the overall team dynamic participate in stand-up meetings, planning and design sessions and other business-development.
* Experience in developing and implementing **Responsive Web Design (RWD)** web pages with **cross browser compatibility** complying with **Web Content Accessibility Guidelines** (WCAG) and ability to apply **W3C** web standards; Debug issues using tools like **Browser stack.**
* Created the **Node.js EXPRESS** Server combined with **Socket.io** to build **MVC framework** from front-end side **AngularJS** to back-end **MongoDB**, in order to provide **broadcast**service as well as **chatting**service.
* Elegant implementation of page designs in standards-compliant HTML and CSS.
* Designing and implementing functionality using technologies including JavaScript, AJAX, and JavaScript frameworks such as **jQuery.**
* Worked directly with clients to design and develop elegant solutions.
* Developing UI using **HTML, CSS, JavaScript** , **ES6**, ReactJs framework for binding DOM models linking, view model underlying data and behaviors.
* Gained Experience in debugging and troubleshooting existing code using Firebug and Developer Tools.
* Experience in developing and implementing **Responsive Web Design (RWD)** web pages with **cross browser compatibility**; Debug issues using tools like **Browser stack.**
* Used ReactJS to create Controllers to handle events triggered by clients and send request to server.
* Hands on experience in writing light weight**Node.js express**server, and using technologies. like **Ajax**, **JavaScript/jQuery**, **JSON** to make connections between server and databases like **MongoDB** and **MySQL.**
* Involved in **Agile Software Development** Team using **SCRUM,** **TDD Test Driven Development.**

**Environment**: HTML5/HTML, CSS3/CSS, JavaScript, jQuery, JSP, JSON, React Js, Angular2, AWS, J2EE, Java, Responsive Web Design, Azure, NodeJs, Foundation, SASS, MVC, SVN, AJAX, XML, Eclipse, MySQL.