Sandeep Reddy Likki

+1 (9728538231 | krishna@adven-it.com | [LinkedIn](http://www.linkedin.com/in/sandeep9877) : [www.linkedin.com/in/sandeep9877](http://www.linkedin.com/in/sandeep9877/)

# Professional Summary

* Around 10 years of experience in the Software Development Life Cycle (**SDLC**), I have honed my skills in designing and developing user-centric Internet/Intranet applications.
* Proficient in a diverse range of web technologies: **HTML/HTML5, CSS/CSS3, JavaScript, Bootstrap, React.js, Next.js, Node.js, Victory.js, Redux, React Native, TypeScript, AJAX, JSON, RXJS, SASS,** and **DOM**.
* Skilled in developing responsive and dynamic web applications, utilizing frameworks such as **Bootstrap** and **React.js** to create intuitive user interfaces.
* Experience in all phases of Software Development Life Cycle (**SDLC**) including **Analysis**, **Design, Development, Documentation, Testing, Deployment, Version Control & production support.**
* Experienced in server-side development with **Node.js**, utilizing frameworks like **Express.js** for efficient API development.
* Extensive experience in developing applications in Single **Page Applications** (SPAs) using various JavaScript frameworks like ReactJS & Angular 4, **Next.js**.
* Experienced in **React JS** Octagoncomponent library and working with React Redux architecture.
* Proficient in state management with **Redux** and data visualization with **Victory.js**, enhancing user experience and data presentation.
* Worked on single page applications using **React Redux architecture, ES5, ES6** and grunt**.**
* Good Experience using Bootstrap for **Responsive Web Design (RWD) and CSS media Queries.**
* Knowledgeable about healthcare industry standards such as **HIPAA** compliance, ensuring secure handling of sensitive data.
* Familiar with a variety of IDEs including **Visual Studio Code, Notepad++, WebStorm,** and **Sublime Text** for efficient code editing and project management.
* Skilled in testing and debugging with tools like **Mocha, Karma,** and **Jasmine**, ensuring code quality and reliability.
* Experienced in designing and implementing layouts using Android's built-in View Group and View classes to achieve a consistent and intuitive user experience across multiple screen sizes and orientations.
* Skilled in utilizing Android's Material Design guidelines and components to create modern and user-friendly interfaces.
* Proficient in version control systems like **GIT, Bitbucket,** and **GitLab**, facilitating collaborative development and code management.
* Experienced in deploying and managing web applications on servers like **Apache Tomcat, Webpack,** and **WebSocket**.
* Strong database skills encompassing relational databases like **MySQL, SQL Server, NoSQL** databases like Mongo DB, and Oracle.
* Knowledgeable in cloud technologies including Amazon Web Services (**AWS**), **S3**, and **EC2**, facilitating scalable and reliable deployment of web applications.
* Experienced in **Agile** and **Scrum** methodologies, facilitating effective project management and collaboration within cross-functional teams, leading to timely delivery of high-quality web solutions.

# Skills

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| **TECHNOLOGY** | **SKILLS** |
| Web Technologies | HTML/HTML5, CSS/CSS3, JavaScript, Bootstrap, React.js, Node JS, Victory.js, Redux, Kotlin, React Native, Typescript, AJAX, JSON, Rx JS, Next.js, SASS, DOM, HIPAA. |
| IDE’s | Visual Studio Code, Notepad++, WebStorm, Sublime Text |
| Testing & Debugging Tools | Mocha, karma, Jasmine |
| Servers | Apache Tomcat, Webpack, WebSocket. |
| Version Control | GIT, Bitbucket, GitLab |
| Databases | MySQL, SQL Server, NoSQL (MongoDB), Oracle |
| Cloud Technologies | Amazon Web Services (AWS), S3, EC2 |
| Methodologies | Agile, Scrum, TDD |

# Professional Experience

# Sr UI Developer | Comcast, Atlanta, GA | Jul’21 – Present

## project description:

Build and set up a responsive “Dashboard to track metrics related to system health, traffic patterns, and network performance”. Make use of interactive charts and visualizations to show data in real time about device status, bandwidth usage, and network latency, including alert systems to inform network administrators of any problems or potential issues.

## responsibilities

* Developed a responsive dashboard interface using **React.js** to monitor and track various metrics related to system health, traffic patterns, and network performance.
* Designed and implemented a **SPA** (Single Page Application) in **React JS**.
* Designed Frontend within object-oriented JavaScript Framework like bootstrap, React JS and **Web Forms / MVC / Web API** and (built on) backbends
* Used React-based charting library **Victory.js**, along with **DOM** manipulation techniques, to implement interactive charts and visualizations for real-time data representation.
* Implemented **AJAX** requests and **JSON** parsing in **JavaScript** to fetch and display real-time data updates within the dashboard, ensuring that network administrators have access to the most current information.
* Working with **ECMAScript 6** features. For build of **JSX** and **ES6** used **Webpack, Used JSX,** created react components.
* Experienced in leveraging **Next.js** framework for building server-side rendered (**SSR**) and statically generated (**SSG**) React applications.
* Experienced in generating static pages at build time with **Next.js**, improving page load times and performance.
* Ensured web interfaces adhered to **WCAG 2.1** accessibility standards and implemented web performance optimization strategies.
* Applied web security best practices and ensured usability by adhering to web layout guidelines (**W3C**).
* Used **Redux** for state management in **React** applications, facilitating centralized data management and ensuring consistency across different components of the dashboard.
* Configured **Webpack** for bundling and optimizing the dashboard codebase, reducing bundle size and improving loading times through code splitting and lazy loading techniques.
* Developed an alert system within the dashboard using **React** components, **HTML5** for structuring, and **CSS3** for styling, allowing for timely notifications to network administrators in case of any issues or potential problems detected in the network infrastructure.
* Proficient in creating **API routes** and implementing data fetching strategies in **Next.js** applications.
* Designed and customized **UI** components using **HTML5** and **CSS3** tailored to the specific needs of the dashboard, including dynamic data visualizations, intuitive user controls, and responsive layout elements.
* Partnered with **Quality Assurance teams** to implement rigorous testing and maintenance procedures, ensuring high-quality and error-free deployments.
* Proficient in implementing animations and transitions using Android's Animation and Transition APIs to enhance the usability and engagement of Android applications.
* Optimized the dashboard codebase for performance by minimizing **HTTP** requests, reducing bundle size, lazy-loading resources, and implementing code splitting techniques using **Webpack** to improve page load times and overall performance.
* Employed **React** best practices, along with **CSS3** techniques for animations and transitions, to enhance the dashboard's responsiveness and loading speed, ensuring a seamless user experience even with large datasets and complex visualizations.
* Tested and ensured cross-browser compatibility of the dashboard **UI** across different web browsers and devices, utilizing Reacts virtual **DOM** for efficient rendering and consistent user experience.
* Set up **CI/CD** pipelines using Jenkins to automate the build, test, and deployment process of the dashboard, ensuring rapid and reliable delivery of updates and new features to production environments.
* Implemented secure coding practices such as input validation, authentication, and encryption techniques to safeguard web applications against vulnerabilities like **XSS** and **CSRF**.
* Used **Git** for version control, managing code changes, and collaborating with team members on feature branches, ensuring code integrity and facilitating easy integration and deployment workflows.
* Employed **Jira** for project management, which included sprint backlog management, issue prioritization, and task tracking to guarantee effective project execution and on-time product delivery.
* Collaborated with cross-functional teams in **Agile** development environments, participating in sprint planning, daily stand-ups, and sprint reviews to deliver iterative improvements to the dashboard.

**Environment:** HTML5, CSS3, JavaScript, React.js, Victory.js, Next.js, DOM, AJAX, JSON, Redux, Webpack, React Router, SPA, CI/CD pipelines, Node.js, APIs, Git, Jira and Agile.

# UI Developer | Cigna, Bloomfield, CT | May’20 – Jun’21

## project description

Implemented a web-based interface to handle all aspects of clinical trial management, such as patient recruiting, research procedures, data collecting forms, and documentation of regulatory compliance. The portal will provide connection with electronic data collection systems, audit trails, and role-based access control.

## responsibilities

* Developed a responsive and intuitive web-based interface using **HTML5**, **CSS3**, and **JavaScript**, with a focus on modern **UI/UX** design principles, and utilizing **Bootstrap** for rapid prototyping and styling.
* Developed and maintained web applications using **Next.js**, ensuring high performance, security and optimal user experience.
* Components for UX-Library consisted of **Button, Checkbox, Input, Icons, Toggle Button,** Dropdown, Multi-Level Dropdown and many more.
* Worked with **TypeScript** for building type-safe JavaScript applications, enhancing code maintainability and reducing runtime errors.
* Leveraged **React.js** to build dynamic and interactive components for managing all facets of clinical trial management, including patient recruiting, research procedures, and data collection forms.
* Implemented role-based access control features using **React Router** and **Redux**, ensuring secure access to different functionalities based on user roles and permissions.
* Enhanced user experience by implementing real-time updates and notifications using **WebSocket** connections and **React Native** for mobile compatibility, providing seamless access to clinical trial management functionalities across devices.
* Experienced in testing React components and **Next.js** applications using **Jest** and **React** Testing Library.
* Utilized **Webpack** for bundling and optimizing assets, ensuring optimal performance and delivery of the single-page application (**SPA**) for clinical trial management.
* Collaborated closely with backend developers to establish connections with electronic data collection systems, utilizing **AJAX** and **JSON** for efficient data exchange and synchronization.
* Leveraged web performance best practices such as **lazy loading**, code splitting, and asset optimization to ensure fast loading times and a smooth user experience.
* Ensured compliance with regulatory requirements such as **HIPAA** by implementing robust data security measures within the React interface and maintaining comprehensive documentation of regulatory compliance efforts.
* Conducted usability testing and gathered feedback from stakeholders to refine UI designs and improve user workflows, utilizing **Agile** methodologies and tools such as Jira for project management.
* Provided ongoing support and maintenance for the **React-based UI**, utilizing **Git** for version control to track changes and facilitate collaboration among team members.

**Environment**: HTML5, CSS3, JavaScript, UI/UX, Bootstrap, React.js, Next.js, React Router, Redux, WebSocket, React Native, Webpack, SPA, AJAX, JSON, AWS, HIPAA, Agile, Git.

# Frontend Developer | AT&T, Dallas, TX | Apr’17 – Apr’20

## project description

Implemented customer dashboard, designed to empower customers with streamlined account management capabilities. Upon logging, users can access and update their personal information, view detailed billing statements, monitor real-time usage metrics for data, minutes, and texts, and conveniently make payments through various payment options. Integrated notifications provide timely reminders for upcoming bill due dates and usage alerts, ensuring customers stay informed and proactive in managing their services.

## responsibilities

* Developed responsive and visually appealing user interfaces for a customer dashboard using **HTML5**, **CSS3**, **SASS**, **Bootstrap**, and **React.js** ensuring compatibility across various devices and browsers.
* Implemented interactive features and functionalities using **JavaScript**, **AJAX**, and **React.js**, enabling seamless data retrieval and updates from **RESTful APIs** asynchronously, enhancing user experience and performance.
* Developed dynamic and data-driven components with **React.js**, utilizing **React hooks** and context API for state management and component composition, ensuring modular and reusable code.
* Integrated **Redux** for centralized state management, enabling efficient data flow and synchronization between React components, and ensuring scalability and maintainability of the application.
* Designed and optimized **MySQL** databases, including schema design, query optimization, and data indexing, to store and retrieve user account information, billing data, and usage metrics efficiently.
* Skilled in implementing responsive design principles using **CSS** modules with **Next.js** for consistent styling across devices.
* Leveraged **JSON** for data interchange between the frontend and backend layers, ensuring seamless communication and interoperability of data formats.
* Utilized **PowerShell** for automation tasks and scripting, enhancing development workflows and efficiency in managing infrastructure and deployment processes.
* Utilized **AWS** services such as **EC2** and **S3** for deploying and hosting frontend applications, ensuring scalability, reliability, and security of the application infrastructure.
* Configured custom events and triggers in **GTM** to track user and gain deeper insights into user behavior.
* Practiced **Agile** methodologies such as **Scrum** to deliver iterative and incremental development cycles, ensuring continuous improvement, adaptation to change, and timely delivery of high-quality software.
* Implemented **Git** for version control, employing branching strategies and pull request workflows to manage code changes efficiently, collaborate with team members, and maintain code quality and integrity.

**Environment**: HTML5, CSS3, SASS, Bootstrap, React.js, Next.js, JavaScript, AJAX, RESTful APIs, React Hooks, Redux, MySQL, MongoDB, JSON, PowerShell, AWS, EC2, S3, Agile, Scrum, Git, React Testing, Jest.

# Web Developer | Alpha Solutions, Hyderabad, India | Jan’14 – Nov’16

## project description

Played a key role in gathering requirements, analyzing them, and documenting the design process. Additionally, I actively contributed to both building a new application and revamping an existing one. My responsibilities included constructing filters for enhanced search functionality, developing controllers and services, and writing a substantial portion of the codebase. Leveraging server-side frameworks and dynamic user interface components, I ensured the applications delivered responsive web design and seamless cross-browser compatibility.

## responsibilities

* Proficient in gathering requirements, conducting thorough analysis, and documenting design processes to ensure alignment with project goals and client needs.
* Experienced in both building new applications from scratch and revamping existing ones, demonstrating adaptability and versatility in project environments.
* Integrated web applications with **Google Analytics** and **Google Tag Manager** to monitor website performance, user behavior, and enhance data-driven decision-making.
* Skilled in developing controllers and services within web applications, utilizing **Node.js** for backend functionality, facilitating data management and communication between components.
* Demonstrated ability to write a substantial portion of the codebase, contributing to the overall functionality and performance of web applications using **HTML**, **CSS**, and **JavaScript**.
* Experienced in leveraging server-side frameworks, such as **Node.js**, to enhance backend functionality and support seamless integration with frontend React components.
* Proficient in implementing dynamic user interface components, such as **Toolbars** and **Navbars**, ensuring an engaging and interactive user experience.
* Strong focus on delivering responsive web design, utilizing **CSS** frameworks like **Bootstrap** to create visually appealing and mobile-friendly interfaces.
* Proficient in implementing routing models for single-page applications (**SPAs**), facilitating smooth navigation and user interaction.
* Skilled in integrating **Oracle** databases into web applications, ensuring secure data storage, retrieval, and management in compliance with industry standards and best practices.
* Experienced in Test-Driven Development (**TDD**) methodologies, ensuring code quality and reliability through comprehensive testing suites.

**Environment**: HTML, CSS, JavaScript, Bootstrap, Node.js, Navbar, Toolbar, SPA, Oracle, TDD.

# Education

# ICFAI University | Hyderabad, India | Aug’10 – Jun’14

# Bachelor of Technology in computer science & engineering.

# GPA: 3.1 / 4.0