Sreeja Reddy

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(812) 361-4842

Professional Summary:

Experienced Software Developer with a strong background in using React, Angular, Next.js, Node.js, Express.js, JavaScript, Typescript. Proficient in building enterprise-level web applications using front-end technologies like HTML5, CSS3, and PHP, along with database management using MySQL, MongoDB, and SQL Server. Expertise in integrating RESTful APIs for seamless data flow and ensuring web accessibility standards. Adept at working in Agile teams to deliver high-quality, user-centric applications with a focus on performance, security, and scalability.

Education:

Bachelor of Engineering: Information Technology   (**August 2017-July 2021)**
Osmania University
Master of Science: Computer Science (Data Science Concentration)   **(January 2023-May 2024)**
University of North Carolina at Charlotte

Experience:
Software Developer-Front End Web Developer
University of Texas at El Paso   (September 2024 - Present)

- Currently developing and maintaining web page content for college-level websites and grants using Cascade CMS, Joomla, October ensuring accuracy, relevance, and timely updates.
- Utilizing phpMyAdmin and MySQL Workbench for effective database administration and maintenance; developing MySQL databases for web and application data management.
- Utilizing Figma to support the design and web development languages HTML, CSS, JavaScript, PHP and JQuery Framework for front end development to adapt conventional information resources to online platforms, enhancing the functionality of department websites.
- Led a project to migrate a legacy web application to a modern architecture using .NET Framework, C# and React, improving performance by 60%, maintainability, and user experience through new design.
- Built a mobile-responsive platform using React and Node.js, integrating server-side rendering with Next.js to improve SEO and page load speed.
- Integrating GraphQL APIs for efficient data fetching, reducing API calls by 30%.
- Developing a full-stack website with AI-powered chatbot using React.js, Node.js, Express.js, and OpenAI GPT API, integrating real-time messaging with Socket.io and automated email notifications using Nodemailer enhancing user interaction and support efficiency.
- Ensuring compliance with federal, state, and institutional policies on web usage, security, and accessibility standards, including WCAG guidelines.

Assistant Programmer
University of North Carolina at Charlotte   (August 2023-May 2024)

- Assisted in the development and maintenance of university web applications using HTML, CSS, JavaScript, developed interactive UI components using React.js, enhancing responsiveness and user engagement.
- Created and maintained cross-browser compatible websites using CSS Grid, Flexbox, and JavaScript features to ensure consistency and responsiveness across multiple platforms.

System Engineer
Infosys **(July 2021-December 2022)**

- Developed and maintained a highly interactive, user-friendly appointment scheduling web application using Next.js, React.js and express.js, enhancing the booking experience for patients.
- Used React-Query and Express.js for efficient API handling, reducing redundant API calls and improving app load times.
- Developed modular and accessible UI components using HTML5, CSS3 and TypeScript, ensuring a modern, responsive, and WCAG-compliant user experience.
- Designed and implemented dynamic front-end interfaces with React, Angular, and Bootstrap, delivering seamless cross-platform interactions and an intuitive user experience.
- Used Git for version control, managing codebase changes effectively and collaborating seamlessly with other developers.
- Participated in Agile development processes, contributing to sprint planning, daily stand-ups, and retrospective meetings to enhance team productivity and project delivery.
- Implemented responsive design principles to ensure optimal viewing experiences on desktops, tablets, and mobile devices, increasing mobile user satisfaction.
- Used Axios with React to integrate RESTful APIs, allowing real-time data retrieval and ensuring a seamless user experience.
- Collaborated with back-end developers to integrate Node.js and Express.js with the React front-end, ensuring smooth data flow and enhancing the application's functionality.
- Utilized Jest and React Testing Library to write unit and integration tests, ensuring high-quality, bug-free releases.
- Collaborated closely with designers, and product managers, gathering requirements and defining specifications for projects, ensuring on-time delivery using Jira for project management.

Web Developer
Coreel Technologies **(May 2020-June 2021)**

- Led the redesign of the e-commerce platform's user interface, implementing modern design principles to enhance user experience and increase engagement.
- Developed responsive web pages using HTML5, Bootstrap, Javascript, ensuring optimal performance and usability across desktops, tablets, and mobile devices.
- Utilized React, Next.js to build dynamic, server-rendered, and statically generated components, improving performance, SEO, and user engagement.
- Ensured the platform's compatibility across various browsers, providing consistent experience for all users.

SKILLS:

Programming Languages & Technologies: Python, Java, C#, HTML5/CSS3, PHP, DHTML React, Angular, Vue.js, Node.js, Next.js, C, C++, Express.js, VBScript, XML, Java Script, TypeScript, Agile Software Development.

Database & Cloud Platforms: SQL, MongoDB, MySQL, Firebase, AWS, PostgreSQL, Oracle.

Tools & Frameworks: NLTK, Power BI, SSIS, Jest, Hadoop, Spark, Kafka, Rest API, Atom, WebStorm, Jira, Slack, GraphQL, Git, Github, Webpack, Bootstrap, Joomla, Figma, Cascade CMS, October.

PROJECTS:

You Walk, We authenticate (User Authentication System):
- Developed and implemented an innovative wearable IoT authentication framework utilizing GAIT analysis and machine learning algorithms to analyze user gait data; reduced false positive authentication incidents by 40%, ensuring a secure and efficient user experience of any organization.

Fine Arts Club (Standalone web application):
- Developed a web application that allows students to explore and register for various college clubs. I designed the front-end using React and CSS for a responsive user experience and integrated the back-end with Node.js and MongoDB to ensure real-time updates. I also implemented Firebase authentication for secure user management. This project improved student engagement and streamlined the club registration process.

The Portal Sleuth (Django based Web application):
- Developed a project using RAKE-NLTK to mine and analyze user opinions and reviews for website evaluation. I implemented natural language processing algorithms, designed a user-friendly interface for displaying results, and integrated a back-end database for efficient data storage and retrieval. This project provided valuable insights into user satisfaction and website performance.

MVSR Grievances System (Android application):
- Developed an Android application that serves as an interface between students, staff, and college administration. The app allows users to report issues directly to the administration, streamlining the complaint process and reducing inconvenience for individuals facing problems within the college.