

SARATH MADALA

Mobile: 469-551-3721

Mail: sarathmadala@outlook.com

Portfolio: sarathmadala.com

OBJECTIVE

As a web developer with 5+ years of experience, I strive to constantly improve my skills and stay up to date with the latest technologies and trends in the industry. I am dedicated to leading and contributing to the development of complex web applications that meet business requirements and provide a great user experience. I work closely with cross-functional teams, such as designers and project managers, to ensure successful project outcomes. I also take pride in mentoring junior developers and sharing my knowledge and best practices. I am always seeking new challenges and opportunities for growth within the organization.

SUMMARY

- Strong skills in requirements gathering, including ability to:
 - Work with stakeholders to understand their needs and requirements.
 - Elicit, analyze, and document requirements.
 - Ensure requirements are clear, complete, and aligned with project goals.
- Experience in solution design, including ability to:
 - Choose appropriate technologies and tools to implement solutions.
 - Ensure design meets requirements and follows best practices.
- Strong skills in requirements analysis, including ability to:
 - Identify and evaluate alternative solutions.
 - Make informed decisions about the best solution based on trade-offs and constraints.
- Expertise in developing web applications using JavaScript frameworks (React, React) and API development using Node.js.
- Strong understanding of front-end technologies and experience in creating dynamic and responsive user interfaces
- Knowledge of software development life cycle (SDLC) and experience in Agile and Kanban methodologies
- Familiarity with technologies used to create React websites, such as Redux-toolkit, Webpack, and Babel
- Proficient in TypeScript and its integration with React for building large-scale applications
- Experienced in using CSS, SCSS, and various CSS pre-processors for styling and layout
- Strong skills in requirements gathering, analysis, and solution design
- Ability to work both independently and as part of a team, delivering high-quality solutions
- Experience in contributing to all phases of software development, including planning, development, testing, and deployment.
- Effective communicator, able to explain technical concepts to both technical and non-technical stakeholders.
- Committed to continuously learning and growing as a developer, delivering exceptional results for clients.

TECHNOLOGY AND TOOLS

Build Tools: Webpack
Cloud: AWS
CMS: SanityCMS
Databases: MySQL, Postgres, MongoDB, DynamoDB
Frameworks: Angular, NextJS
Languages: Java, Javascript, Typescript, C, SQL
ORM: Prisma
Platforms: Node.js
Testing: Cypress, Jest, React-testing-library
Tools: Visual Studio Code, IntelliJ, Git, Microsoft Office
Web: React, React, Redux Toolkit, HTML, CSS, XML, JSON, REST, GraphQL

PROJECTS

Client: Mastercard

Employer: Apexon

Arlington, Virginia, USA

Nov2021- Present

- Collaborating with Business, Project Managers, and other developers to understand the project scope and gather functional requirements.
- Setting up the project's initial configuration for webpack, SCSS, custom fonts, and assets for the UI.
- Building the entire UI for the application and working with the back-end team to integrate APIs for fetching data.
- Using React with hooks and Redux to manage the state of the application.
- Handling API errors, session timeouts, and user authentication and authorization using higher-order components (HOCs) in React.
- Utilizing the latest ECMAScript (ES) features to perform actions on table data such as filtering and sorting data.
- Implementing pagination from the front-end to improve the performance of the tabular views.
- Implementing a notification system using toast notifications for user actions and live notifications for real-time updates.
- Responsible for unit testing the application using Jest and React Testing Library, ensuring individual units of code were functioning correctly and meeting expected behavior.
- Collaborated with the development team to identify and fix issues found during testing, ensuring the application was reliable and functional.
- Optimizing API collection in Postman using variables and environments for easier testing.
- Contributing to the technical stack when needed.
- Involving in the agile process and attending all the agile ceremonies, including sprint planning, daily stand-ups, sprint reviews, and retrospectives.
- Contributing to the CI/CD pipeline for the project, ensuring that the code is tested, built, and deployed automatically.
- Mentoring junior developers, participating in code reviews, and providing performance reviews and feedback.
- Collaborating with key stakeholders to refine the agile implementation.

Tools and Technologies: React, React Hooks, Redux-Toolkit, Jest, react-testing-library, Postgres, Webpack, Javascript, HTML5, SCSS, Java 11, Maven, git, Postman, Visual Studio Code, IntelliJ, Graphana

Client: BFS

Employer: Apexon
Wisconsin, USA

Aug 2021 – Dec 2021

- Collaborate with the client to gather requirements and work with UX designers to transform them into design.
- Design database schemas.
- Design and develop APIs using Express and Node.js.
- Build webpages for the application using React and use Redux-Toolkit as a state management tool.
- Utilized SASS as a preprocessor to CSS for styling the application.
- Utilized SASS mixins to bootstrap classes and apply them in the application, streamlining the styling process and maintaining consistency in the application's styling.
- Develop a web scraper using GraphQL, Cheerio, and Puppeteer to fetch data from the source website and save it in Postgres.
- Convert data to PDF tables and reports for invoicing and proposals.
- Work with SMTP to send emails to intended customers with standard and dynamic templates.
- Implement an admin console to manage users, email templates, contracts, and default data.
- Lead the research, development, and delivery of the application.
- Work independently from setting up the project to the delivery.
- Take regular client feedback and incorporate it into the design process.
- Update the UI design and development process based on client feedback.
- Tested the application end-to-end using Cypress, ensuring that it met the client's requirements and expectations, and fixing any issues that arose during testing.
- Set up GitLab pipelines for continuous integration and continuous delivery (CI/CD) to automate the build, test, and deployment process of the application. This included configuring build and test stages, creating deployment scripts
- Ensure that the final product meets the client's needs and expectations.
- Communicate with the client regularly to discuss progress and gather feedback.
- Attend daily stand-ups, sprint planning, and retrospective meetings to contribute to the Agile process.
- Stay up-to-date with the latest industry trends and technologies.

Tools and Technologies: React, React hooks, Redux-Toolkit, Node.js, Express, PM2, HTML5, SCSS, Webpack, git, Gitlab CICD, Postgres, Postman, REST APIs, GraphQL, Material UI, JWT, Cypress

Client: Toyota

Employer: Infosys

Plano, Texas, USA

Sept 2019 – Aug 2021

- Involved in the development, maintenance, and support phases of the project. This involved writing code, fixing any issues that arose during the project's lifecycle, and providing ongoing support to ensure the application was running smoothly.
- I used the Serverless framework to develop and deploy applications on the cloud. This included creating serverless functions (Lambda) and APIs, ensuring high availability and performance, and reducing operational costs.
- Collaborated with business, tech lead, and other teams to gather requirements and understand the scope of the application. This ensured that the project met their needs and was aligned with their goals.
- I worked with S3 to store incoming files for processing and archiving.
- I developed AWS Glue jobs to extract useful information from CSV files.
- I used EC2 instances, API Gateway, and Lambda functions inside the application.
- I had experience with Splunk and CloudWatch to query application logs. This included creating custom metrics, setting up alerts, and troubleshooting issues.
- I wrote bash scripts to automate internal file reporting. This involved creating cron jobs, parsing log files, and generating reports.
- I was responsible for building UI webpages using React. This included creating reusable components, ensuring accessibility and responsiveness, and implementing user interface design patterns.
- I set up Grafana dashboards to monitor all the services and requests. This involved creating data sources, setting up queries, and visualizing data using charts and graphs.

Tools and Technologies Typescript, NodeJS, React, Java 8, Splunk, Serverless framework, Bash scripting, AWS - S3, EC2, API Gateway, Lambda, Glue, Cloud watch, Cloud Formation, Graphana.

Radiant Technologies

Hyderabad, India

May 2016 – Aug 2017

- I was responsible for designing, developing, and testing web applications using HTML5, CSS3, Bootstrap, ReactJS, and Redux. This involved creating responsive and user-friendly interfaces, ensuring cross-browser compatibility, and adhering to web standards.
- I developed various screens for the front-end using ReactJS and leveraged pre-built components from NPM (Node Package Manager) to increase development speed and maintain code consistency.
- I used Redux to store data from multiple API endpoints and worked closely with the back-end team to ensure smooth data flow and efficient rendering of components.
- I used AJAX to reduce network load and selectively update components of the website, improving performance and user experience.
- I utilized CSS icons, pseudo-classes, pseudo-elements, image sprites, backgrounds, and shadows to enhance visual appeal and provide additional effects.
- I implemented the concept of Virtual DOM in ReactJS to create an in-memory data structure cache, enumerate resulting differences, and update the displayed DOM efficiently.
- I worked with ECMA Script 6 features and used Babel and Webpack to build JSX and ES2015 (ES6) code.
- I performed system testing and regression testing for the complete UI after fixing issues reported by the testing team, ensuring high-quality deliverables.
- I built REST web services by developing a NodeJS server on the back-end to handle Fetch requests, providing fast and scalable data delivery.
- I extensively used Git for version control and regularly pushed code to GitHub, ensuring code integrity and collaboration.

Environment: HTML5, CSS3, Bootstrap, SASS, JavaScript, jQuery, React JS, Redux, NPM, Webpack, Node.js, GIT, Agile, Windows.