

## SARATH MADALA

Mobile: 469-867-7640

Mail: [sarathmadala@outlook.com](mailto:sarathmadala@outlook.com)

Portfolio: <https://srthchndr.github.io/>

### OBJECTIVE

Passionate software developer with 3 years of experience and entrepreneurial spirit, looking to solve the complex real-time problems with the technical skills I possess.

### SUMMARY

- Full Stack Developer with experience in developing cross browser and cross platform web applications.
- Experience with Node.js and Java as a back-end languages.
- Proficient in AWS cloud platform.
- Led a 3 people team, conducted daily standups to help the team engaged in the development activities, conducted code review sessions and provided feedback to the developers
- Experience working in agile and Kanban methodologies
- Adept at grasping new concepts quickly and applying effectively.
- Excellent communicator and highly collaborative.
- Can be able to work independently or in a team based on the team composition.

### TECHNOLOGY AND TOOLS

<b>Cloud:</b>	AWS
<b>Platforms:</b>	Node.js,
<b>Languages:</b>	Java, C, SQL
<b>Web:</b>	React, Redux Toolkit, HTML, CSS, Java Script, Type Script, XML, JSON, REST, GraphQL
<b>Frameworks:</b>	Angular
<b>Databases:</b>	SQL Server, MySQL, Postgres, MongoDB, DynamoDB
<b>Build Tools:</b>	Webpack
<b>Tools:</b>	Visual Studio Code, IntelliJ, Git, Microsoft Office

### EDUCATION

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|---|-----------|
| • <b>Master of Science – Computer Science</b> , University of Houston-Clear Lake, Houston, Texas. | 2017-2019 |
| • <b>Bachelor of Technology – Computer Science and Engineering</b> , JNTU, Hyderabad, India.      | 2013-2017 |

### PROJECTS

#### Mastercard

**Nov 2021 – Till Date**

- Worked closely with Business, PMs and other developers to understand the scope of the project and accordingly gather functional requirements of the project in order to design and implement the application.
- Worked Individually on the initial setup of the project from configuring the webpack, SCSS, custom fonts and assets for UI.
- Implemented entire UI for the application and collaborated with the back-end team for integrating APIs to fetch data.
- Used react with hooks for building the webpages, redux for implementing state management for the application.
- Implemented HOC in react for catching API errors, Session timeout, User authentication and authorization.
- Used latest ECMA script (ES) features to perform actions on the table data such as filtering data sorting data.
- Implemented pagination from the front end to improve performance of the tabular views.
- Implemented notification system throughout the application for better user experience. Used toast notifications for user actions and live notifications for real-time updates.
- Optimized API collection in Postman using variables and environments for easier testing.

- Contributed across the technical stack when needed.
- Mentored junior developers and participated in code reviews and conducted performance reviews and feedbacks.
- Collaborated with key stakeholders in refining the agile implementation

**Tools and Technologies:** React, React Hooks, Redux-Toolkit, Postgres, Webpack, JavaScript, HTML5, SCSS, Java 11, Maven, git, Postman, Visual Studio Code, IntelliJ, Grafana

#### **Barricade Flasher Service**

**Aug 2021 – Dec 2021**

- Worked closely with the client to gather the requirements and collaborated with UX designers to transform the requirements to design.
- Led research, development and delivery of the application.
- Build webpages for the application using React and used Redux-Toolkit as a state management tool.
- Designed DB Schemas.
- Designed and developed APIs using Express and Node.js.
- Worked as an individual throughout the project from setting up the project to the delivery.
- Developed a web scraper using GraphQL, cheerio and puppeteer to fetch data from the source website and save in Postgres.
- Worked with Material UI component library for quick development
- Converted data to PDF tables and PDF reports for invoicing and proposals.
- Worked with SMTP to send emails out to intended customers with standard and dynamic templates.
- Implemented admin console to manage users, email templates, contracts and default data.

**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

#### **Toyota**

**Sept 2019 – Aug 2021**

- I was involved in the development and maintenance phase of the project.
- Used Serverless framework to develop applications on the cloud
- Collaborated with business, tech lead and other teams to gather requirements and to understand the scope of the application.
- Worked with S3 to store the incoming files for processing and archiving.
- Developed AWS glue jobs to extract useful information from CSV files.
- Used EC2, API gateway, Lambda inside our application
- Experience with Splunk and CloudWatch in querying the application logs
- Wrote few bash scripts for internal file reporting
- Built UI webpages using React
- Setup Grafana dashboards for easy monitoring of all the services and requests.

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