Tirunelveli, Tamil Nadu India. PIN - 627003

SARAN RAJ

(+91) 8608808123 saran13raj@gmail.com GitHub - saran13raj LinkedIn – Saran Raj Website - saran13raj.com

Software Engineer with over 4 years of experience building mobile and web applications. Skilled in delivering impactful features while prioritising customer and developer experience. Passionate about solving problems and implementing innovative engineering solutions. Built trigflow.com and trigmat.com

Software Engineer	Freelance	May 2024 - Present
Architectured and developed offline	data synchronization feature for one of	f the clients
 Led a team of 4 front-end junior deviation 	elopers by mentoring, sharing best prac	ctices and code review
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 Implemented drag and drop feature for TotalQSR client project to enable quick creation and updation of work shifts

Tools and technologies used: React, Ionic, Material UI, Typescript, React beautiful dnd, SQLite

 Designed and developed lottery system backend service for schools and colleges to pick random w 	inners
Designed and developed lottery system backend service for schools and coneges to pick random w	initic 13

 Fixed various bugs and tech debts to improve feature performance and code quality Tools and technologies used: Nest.JS, React Native, GraphQL, TypeScript, MongoDB

Senior Software Engineer

Senior Software Engineer

- Implemented Feature Sliced Design and linter scripts to ensure adherence to clean code principles in the quick serve restaurant tablet app.
- Built various modules for the tablet app and used Typescript for type safety along with Effector.js for state management.
- Took ownership and built two important web app modules that directs data to the tablet app for various administrative process with best code quality.
- Integrated Stripe payment service to one of the client projects taking care of backend functionalities and frontend modules.
 - Tools and technologies used: React.js, Ionic, Typescript, Effector.js, Node.js, Express.js, Tailwind CSS

Software Engineer I

· Improved performance of Contentstack's Rich Text Editors by reducing the time it takes to render huge table with more than 2000 rows which helped users to have seamless UX.

Contentstack

- · Added E2E and unit test cases for various modules in the <u>venus-components</u> npm package with greater than 90% code coverage.
- · Designed and implemented the rewrite of existing markdown editor with an advanced markdown engine to support advanced markdown features and HTML elements with E2E and unit testcases.
- Worked on multiple stability sprints to improve the stability of the Rich Text Editors

Dec 2023 - Apr 2024

Mar 2023 - Oct 2023

CodeSirpi

Edba

Oct 2021 - Mar 2023

• Restructured the codebase for better modularity and built various screens with best practices for iOS, Android and web app - EDBA Tools and technologies used: React.js, React Native, Nest.js, Express.js, Typescript, Jest, MongoDB, GraphQL, Storybook, Playwright

Rapid Acceleration India Pvt Ltd

Dec 2020 – Oct 2021

Working as a part of the product engineering team, designed and built a platform agnostic desktop application that helped users to automate their daily activities (RPA) in a computer. Tools and Technologies used: Electron, React.js, Nest.js, SQLite, Python, Typescript

Front End Developer	Tutora	Feb 2021 – Aug 2022
 Working as part of the front-end tea 	am, built screens for the mobile applic	cation that helps tutors to
seamlessly conduct and manage the	eir classes, students, attendance and p	payments.

Tools and technologies used: React-Native, GraphQL, TypeScript, Android Studio

Software Engineer MAANTT Global Services Pvt Ltd June 2020 - Nov 2020

- Working as a part of the development team, designed and built AI Proctoring feature for the platform.
- This feature includes mobile phone detection, multiple persons detection, head pose detection and audio detection through webcam and mic.
- Tools and technologies used: Python, Darknet (YOLO), OpenCV, JavaScript, Tensorflow.js, MySQL, C#

Software Engineer, Intern MAANTT Global Services Pvt Ltd Dec 2019 - May 2020 · Task was to design and build a full stack web application to predict the hirability of a candidate at a

- company.
- Was able to create multiple possible designs. Designed and built service APIs (with Java, Spring), efficient database model (MySQL) and Angular 9 front end application.

EDUCATION

Full Stack Developer

Chennai, India	Dwaraka Doss Goverdhan Doss Vaishnav College	July 2018 - Sep 2020		
 M.Sc. in Information Technology. Main coursework: Computer Architecture, Database Systems, Operating Systems, Software Engineering, Cryptography. 				
Tambaram, TN 2018	Bharath Institute of Higher Education and Research	Aug 2015 – April		
B.Sc. in PhysicMain coursew	s. ork: Thermodynamics, Fluid Mechanics, Digital Electronics, Cry	stal Physics, Quantum		

Mechanics and Relativity, Atomic and Nuclear Physics.