Tirunelveli, Tamil Nadu India. PIN - 627003

SARAN RAJ

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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 mdtw and trigflow.com

EMPLOYMENT

Software Engineer Freelance May 2024 - Present

- Architectured and developed offline data synchronization feature for one of the clients
- · Led a team of 4 front-end junior developers by mentoring, sharing best practices and code review
- 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

Senior Software Engineer

Edba

Dec 2023 - Apr 2024

- · Designed and developed lottery system backend service for schools and colleges to pick random winners
- 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

CodeSirpi

Mar 2023 - Oct 2023

- Implemented <u>Feature Sliced Design</u> 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

Contentstack

Oct 2021 - Mar 2023

- 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.
- 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

 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

Full Stack Developer

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 team, built screens for the mobile application that helps tutors to seamlessly conduct and manage their classes, students, attendance and 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

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 Bharath Institute of Higher Education and Research Aug 2015 – April 2018

- B.Sc. in Physics.
- Main coursework: Thermodynamics, Fluid Mechanics, Digital Electronics, Crystal Physics, Quantum Mechanics and Relativity, Atomic and Nuclear Physics.