

Madan Kumar

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I'm a Full Stack web developer passionately developing Web and Mobile apps. I enjoy helping clients win and achieve success. A critical thinker and problem solver. I love solving complex problems with simple solutions. Passionate about Open Source Software.

Skills

Programming Languages	Javascript, Java, Typescript and NodeJS
Front End Frameworks	React JS, Gatsby, Next.JS and Angular JS,
UI	HTML, CSS, SASS, Bootstrap and TailwindCSS
Backend Frameworks	ExpressJS, NestJS, Spring MVC and Spring Boot
Database	MySQL and MongoDB
IDE	VSCode and Eclipse
Mobile Development	Ionic, React Native, Flutter and Android
Rapid application development	JHipster
Build Tool	Webpack, Rollup, Gulpjs and Gradle
Version Control	GIT, Github and Gitlab
Server Side UI Rending	Jsp, Jstl, Thymeleaf
Cloud	AWS, Digital Ocean and Firebase
Static web app hosting	AWS Amplify, Netlify, Vercel and Firebase Hosting
Version Control	GIT, SVN
Testing	Jest and React testing library
Package manager	NPM, Yarn and Gradle
ORM	TypeORM, Sequelize, Hibernate and Spring JPA
DEVOPS	Gitlab CI/CD, AWS CLI
Authentication	SAML SSO
Offline Web apps	Service Workers, Indexeddb
Others	ElectronJS, Websocket, WebRTC,
Exploring	Python, Rust

Education

- MASTER OF COMPUTER APPLICATION with 7.1597 CGPA | 2014-2017 | Sastra University, Thanjavur
- Bachelor Of Information Technology with 66.97% | 2011-2014 | SIES College of Arts, Science & Commerce, Mumbai University
- HSC with 78.33% |2010-2011 | Lokmanya Vidya Mandir Junior College, Mumbai
- SSC with 76.46% | 2008-2009 | Kamarajar Memorial English High School, Mumbai

Experience

Senior Software Engineer | Larsen & Toubro Infotech | August 2018 – Till date

- Full stack web development

System Engineer | Tata Consultancy Services | July 2014 – August 2018

- Full stack web and Mobile app development

Professional Experience

Convo link | Convo | Larsen & Toubro Infotech | January 2020 – Till date

Description:

Convo Link is a web app based Video relay service application. This application is used by the deaf customers across the USA. It helps the deaf customer to communicate with normal people through an intermediate person called interpreter. The interpreter will interpret the sign language used by the deaf customer and convey the messages to the voice caller.

Responsibilities: Full Stack Developer

- Requirement Analysis
- Task planning
- Code review
- Git Repository maintenance
- Impact Analysis
- Full Stack Development
- Release planning and implementation
- Maintenance and delivery of application

Technologies used:

React, Redux, WebRTC, Websocket, Typescript, Jest, Web Media API, Notification API, AWS - S3, Web security, CloudFront, EC2, Nginx, Material UI, Sentry, Tailwind CSS, Git, NPM and Yarn.

Convo Alert | Convo | Larsen & Toubro Infotech | August 2018 – December 2019

Description:

Convo Alert is a Visual alert system which is used by the deaf schools and colleagues across the USA. It consists of 3 applications, that are a web app, desktop app and mobile app. The Web app is developed using React, Redux and websocket. Mobile App is a cross platform compatible app developed using Flutter and Firebase which runs on Android and IOS. Desktop app is a cross platform compatible app developed using ElectronJS, React and Websocket which runs on MacOS and Windows.

Responsibilities: Full Stack Developer

- Requirement Analysis
- Task planning
- Code review
- Git Repository maintenance
- Impact Analysis
- Full Stack Development
- Release planning and implementation
- Maintenance and delivery of application

Technologies used:

React, Redux, Websocket, Javascript, Jest, AWS - S3, CloudFront, EC2, Nginx, Bootstrap, Antd UI, Flutter, Spring boot, MySQL, AWS SNS, AWS Email, Firebase, IOS, Android, ElectronJS, Git, NPM and Yarn.

Ground Staff Management | Jet Airways | TCS | MAY 2018 – AUG 2018

Description:

Ground staff management system is developed to efficiently manage ground staff activity. It is a web app which is developed in react and deployed to AWS infrastructure.

Responsibilities: Full Stack Developer

- Requirement Analysis
- UI and Prototype Design
- Code review
- Full Stack Development
- Database design
- Maintenance and delivery of application

Technologies used:

React, NodeJS, CouchDB, Antd, Git, Webpack, Rest API, AWS

Crew Performance System | Scoot Airlines | TCS | JAN 2018 – APR 2018

Description:

Crew performance system is developed for Scoot Airlines. This project helps to monitor overall performance of employees which is fetched from various systems.. The application is developed with Angular 4 and spring and deployed in AWS cloud.

Responsibilities: Full Stack Developer

- Requirement Analysis
- UI and Prototype Design
- Code review
- Full Stack Development
- Database design
- Maintenance and delivery of application

Technologies used:

Angular 4, Spring boot, Mybatis, Gradle, Nodejs, Webpack, GITLAB, IntelliJ, Jhipster, Web Services, bootstrap

Employee Reward System | Scoot Airlines | TCS | AUG 2017 – DEC 2017

Description:

The project Employee Reward System is developed for Scoot Airlines. The project helps in rewarding credits and goodies to the well performing employees in Scoot Airlines. The application is developed with Angular 4 and spring and deployed in cloud. As planned the application delivered on time and met the client's expectations. I got client appreciation for successful deliverables.

Responsibilities: Full Stack Developer

- Requirement Analysis
- UI and Prototype Design
- Full Stack Development
- Database design
- Maintenance and delivery of application

Technologies used:

Angular 4, Spring boot, Mybatis, Gradle, Nodejs, Webpack, GITLAB, IntelliJ, Jhipster, Web Services, bootstrap

Crew Leave Management System | Scoot Airlines | TCS | JUL 2016 – JUL 2017

Description:

The project Crew leave management System is developed for Scoot Airlines. The project helps employees in scoot airlines to apply leaves. The application involves a complex algorithm for auto leave approval in every financial year for each employee based on their experience and designation. The application is developed with AngularJs and spring and deployed in the cloud. The application delivered on time and met the client's expectations.

Responsibilities: Full Stack Developer

- Requirement Analysis
- UI and Prototype Design
- Full Stack Development
- Database design
- Maintenance and delivery of application
- Impact Analysis

Technologies used:

Angular js, Spring boot, Mybatis, Gradle, Nodejs, gulp, GITLAB, IntelliJ, Jhipster, Web Services, bootstrap

Weave Web App | IGNITE | TCS | NOV 2015 – JUN 2016

Description:

The project Weave is an ecommerce website which is developed as TCS internal project to help Hand loom weavers to sell the product online. The application is developed with jquery, J2EE and hibernate.

Responsibilities: Full Stack Developer

- Requirement Analysis
- UI and Prototype Design
- Full Stack Development
- Maintenance and delivery of application

Technologies used:

Jquery, J2EE, bootstrap, eclipse, mysql, svn

Weave Mobile App | IGNITE | TCS | JAN 2015 – OCT 2015

Description:

The project Weave mobile app is an ecommerce app which is developed as TCS internal project to help Hand loom weavers to sell the product online. The application is developed with cordova, ionic, angular js

Responsibilities: Full Stack Developer

- Requirement Analysis
- UI and Prototype Design
- Mobile App Development
- User Experience
- Maintenance and delivery of application

Technologies used:

Angular js, cordova, ionic, html, css, Rest API , Html canvas

Combinatorial Games | IGNITE | TCS | JUL 2014 – DEC 2014

Description:

This Project is developed as TCS Internal Project that is used in recruiting candidates based on their game analytical skill. The Candidate analytical skill is analyzed based on the game move. The project helped in recruiting Creative and Problem solving employees for TCS Ignite.

Responsibilities: Full Stack Developer

- Requirement Analysis
- UI and Prototype Design
- Game Logic
- Web Socket implementation
- User Experience
- Maintenance and delivery of application

Technologies used:

HTML, JS ,CSS , Jquery, Web socket, J2EE, MYSQL, Highchart, D3.js

Personal Projects:

MeetX Web app

Description:

A zoom web app clone created using React, WebRTC, Nodejs and Websocket

Technologies used:

ReactJS, Gatsby, Material UI, Netlify, Tailwind CSS, WebRTC, NodeJS, Websocket, Web Media API, SockJS, Typescript

Link:

<https://youtu.be/gu-0vsyqcgA>

MeeX Mobile app

Description:

A zoom web app clone created using Android and Flutter

Technologies used:

Flutter, Android, Material Design, WebRTC, Websocket

Link:

https://youtu.be/Yi618h_17fA

SDP analyser

Description:

Session description protocol analyser

Technologies used:

ReactJS, Gatsby, Netlify, Tailwind CSS. SDP transformer, JSON viewer

Link:

<https://sdp-analyser.madankumar.me/>

IOBS portal

Description:

Branding activity tracking portal for India one brand services created using ReactJS, NodeJS, TypeORM, MySQL.AWS EC2 and AWS Amplify

Technologies used:

ReactJS, NodeJS, TypeORM, MySQL,AWS EC2 Amplify, S3 and RDS, Redux, Typescript.

IOBS website

Description:

India one brand services website created using Gatsby, ReactJS and AWS Amplify

Technologies used:

ReactJS, Gatsby, AWS Amplify, Tailwind CSS.

Link:

<http://iobs.in/>

Algorithm Visualizer

Description:

A web app to visualize algorithm

Technologies used:

ReactJS, Gatsby, Material UI, Github pages.

Link:

<https://ds-algorithm-visualizer.github.io/>

Ultimate Quick revision app

Description:

A mobile app for 11th and 12th students, It will help students to quickly revision Multiple choice questions.

Technologies used:

Android, SQLite

Open Source Contribution:

Please checkout my github profile - <https://github.com/jmadankumar>

Languages

- English
- Hindi
- Tamil
- Marathi

I hereby declare that the information furnished above is true and correct to the best of my knowledge.

YoursTruly
Madan Kumar