

Vignesh Moorthy K

Full Stack Web Developer

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Experience

Software Engineer

Jan 2019 – Current

Winze Technology Pvt. Ltd., Bengaluru, Karnataka.

Technologies – JavaScript, React, PHP, SQL, NodeJS, NOSQL, Git.

- Developed a CRM tool with **Google App Script, ES6 and HTML** using **google forms** as input and **Material UI** for styling and wider form controls. Used **Google spreadsheet and SQL** for database and Query Language.
- Added **automated email** update module with Gmail and Google login powered by **G Scripts** for live updates and security for CRM.
- Implemented **Real time rendering** feature with **G scripts** for live status updates in CRM.
- Developed a **Reporting** module using HTML Tables to reduce the **Data Management** activities.
- Due to performance issues in **G sheets**, Upgraded the existing CRM to **SPA** with **React, Express, Redux, PHP, MySQL and Fire Base** to hosted on **Shared hosting**.
- Implemented **real time rendering** with **React, Express and Firebase** and handled routing with **React router**.
- Enforced **Test driven development (TDD)** with **Jest** for unit and integration testing, **Enzyme** for snapshot testing, **Redux** for state management and **time travel testing** with Flux architecture.
- Created **reusable components** for inputs using **Formik** and React.
- Added **Role based login** system for every module with **PHP, MySQL and session storage** to enforce security.
- Implemented **Flow Management** chart using **Scalable vector graphics (SVG), XML and React**.
- Enforced security of our products with **captcha** authentication to block screen crawlers and web scrapers.
- Developed a dynamic **Building layout generator** with **React, Express, Code Igniter for API, Fire base and MySQL** to reflect the top view of every floor into Table cells.
- Implemented the **tracking system** to capture the current work status and logs related to each rooms, floors, sectors and building, thereby reducing manual data management work.
- Added automated mail creator with current status of work on the building to customers.
- Utilized **template engines** with **Express and Embedded Java Script (EJS)** to render sensitive and dynamic content from server.
- Implemented **Vendor portal and customer portal** with respective access level for the tracking system.

Skills

Programming Languages

JavaScript, PHP, HTML, CSS.

Frameworks

ReactJS, NodeJS, ExpressJS, Formik, Redux, Yup
Typescript, styled components, Enzyme, Jest.

Design patterns

Restful API, SEO, MVC, Flux.

Database Management

MySQL, SQL server, MongoDB, Firebase.

Source Control and Pkg manager

GIT and Git Hub, npm, Yarn

IDE/Tools

VS Code, PhpStorm, IntelliJ, WebStorm, Adobe
illustrator, SVG.

Education

B.E. – EEE (71.5%) April 2015 | Sri Sairam Institute of Technology, Chennai.

M.B.A. – Financial Management () May 2019 | Annamalai University, Annamalai nagar.

M.E. – Power Electronics and Drives May 2020 | Dr. Sivanthi Adithanar College of Engineering.