Perak Malaysia
+60165016286

Fang Wai Nam

fangwainam7@gmail.com
github.com/rlgo

EDUCATION

Kuala Lumpur   **University of Malaya**   **2017-2021**

- Bachelor of Computer Science in Software Engineering. GPA: 3.6

WORK EXPERIENCE

Software Developer Intern   **Radica Software**   **2019-2020**

Ipoh, Perak

- http://radicasoftware.com
- Most of their applications are developed using Javascript, PHP and Firebase
- I was responsible for developing new features, fixing bugs, writing documentation, and testing.
- Vecta.io - SVG diagramming tool on browser with real time collaboration
- Implemented a feature to allow users to draw curvy text by utilizing SVG textPath
- Developed a color palette to make gradient colors on SVG shapes
- Electra cloud - Electrical CAD software on browser
- Implemented ladder zone feature for auto-renaming symbols and wires based on rung numbers.

Mobile Developer   **EF Software**   **2022-2023**

Remote

- https://3soft.com.sg   https://efsoftware.com.sg
- Facilities and staff management software
- I am responsible for developing and maintaining their mobile applications for both Android and iOS platforms
- Most of their applications are developed in native technologies, which means Java/Kotlin for Android and Swift for iOS, and new applications are being developed using React Native.
- The applications are designed in offline first architecture, the data is stored locally and sync to the server when the device is connected to the internet
- Several native features, such as NFC/RFID, location services and Bluetooth connectivity are being utilized.

PROJECTS

Igwriter

- https://github.com/rlgo/igwriter
- It is a web-based text editor which allow multiple users to collaborate on the same document together
- Multiple users are connected and synced with each other through P2P with the help of WebRTC data channel
- CRDT algorithm is used to resolve conflict between multiple users document states
- The application is compliant with PWA requirements and hence it can work offline after first launch
- React.js is used for the frontend and Node.js is used for the backend
- The document is stored in both browser local storage and server database

QR Menu App

- https://github.com/dylansalim3/WIX3004_QR_Menu_App
- Users can use this app to create a custom menu; a QR code representing the menu will be generated for scanning and viewing the menu
- An Android application coupled with an Express.js backend interfacing with a MySQL database.

SKILLS

- **Programming Languages:** Java/Kotlin, Swift, Javascript/Typescript
- **Frameworks and Libraries:** Node.js, React.js, Android, JavaFX
- **Tools:** Git, Linux, Docker