Perak Malaysia
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FANG WAI NAM

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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 - Siemens**	**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
- Electra cloud - Electrical CAD software on browser

Mobile Developer	**EF Software**	**2022-2024**

Remote

- https://3soft.com.sg   https://efsoftware.com.sg
- Facilities and staff management software
- I am responsible for developing and maintaining and developing their mobile applications for both Android and iOS platforms
- Legacy applications are coded in native Java
- While newer applications are developed in 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.
- Internal UI components and utility libraries are developed and shared between the applications to speed up development process and maintain consistency

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

SKILLS

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