Peeradon Phraekjinda

Software Engineer

Experienced Software Engineer with **5+ years** in cross-platform app development. Proficient in **Electron.js**, **Tauri**, **React**, **Swift**, **Node.js**, **Socket.IO,** and **Firebase** for dynamic, user-centric solutions. Proven expertise in elevating digital engagement through strategic front-end development using **React**, **Angular**, **Vue**, **JavaScript** and **TypeScript**.

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EXPERIENCE

Siam Cement Group (SCG), Bangkok — *Software Engineer (Lead Frontend developer)*

JUN 2022 - Present

As a Software Engineer at SCG, I spearheaded development in the metaverse, IoT, and cross-platform apps, utilizing **Electron.js**, **Tauri**, **React**, and **Swift** for broad compatibility. I enhanced our projects by integrating **Node.js** with **Socket.IO** and **Firebase** for real-time interactions and data synchronization, crucial for immersive user experiences. This strategic tech blend ensures our applications are not only multi-platform but also dynamic and user-focused, elevating digital engagement.

G-Able Co., Ltd., Bangkok — *Software Engineer*

JUN 2019 - JUN 2022

I specialized in the development of management information systems tailored to specific requirements. This involved creating custom components, devising test cases, and establishing connections with **REST APIs** to ensure seamless data integration. Additionally, I conducted proof of concept exercises to assess and explore potential development avenues. In my role as a Front-end developer, I adeptly utilized **React**, **Angular**, and **Vue**, employing both **JavaScript** and **TypeScript** languages.

PROJECTS

SCG Room scan and Reconstruction — *Simulated Pre-construction Experience*
I'm currently developing an advanced SCG web app using **React, Three.js, Node.js,** and **Socket.IO**. The goal is to simulate pre-construction experiences, allowing users to visualize and reconstruct rooms. **React** and **Three.js** handle simulation, **Swift** manages efficient room scanning, and **Node.js** with **Socket.IO** ensures real-time interactions for an immersive user experience.

SCG 3D Imvision — *Dynamic Pre-construction Experience*
Utilized **OSC** for communication between Unreal Engine 5, **Node.js**, and **Electron.js**. Created the **React** front end for an immersive user experience. Allows dynamic pre-construction simulation and house preview.

SCG AR Platform — *Augmented Reality File Integration*
Developed a web application utilizing metaverse and web3D concepts for SCG. Allows seamless integration of augmented reality (AR) files, compatible with various mobile devices. Implemented using **React** and **Three.js**.

SCG MetaBooth & SCG Village — *Immersive Product Preview*
Developed a web application applying metaverse and web3D concepts for SCG. Provides an immersive product preview experience for SCG's offerings. Implemented using **React** and **Three.js**.

SCG Smart Mirror — *IoT Enhancement for SCG Products*
Developed a web application known as SCG Smart Mirror. Leverages IoT concepts to enhance SCG's product. Implementation involves using **React** and **Tauri**.

EDUCATION

Chiang Mai University
Department of Computer Science
BACHELOR DEGREE / 2018

SKILLS

Experience

Environment Development :
Agile, Scrum, Waterfall
Project Management :
Requirements Gathering, Problem-Solving, Development Plans
Development: CI/CD, Task Creation, Coding, Code Review, Debugging, Deploy

Programming/Languages

Javascript/Typescript : React, Next.js, Vue, Vite, Angular, Node.js, Three.js
SQL/NoSQL : PostgreSQL, MySQL, MongoDB, Realtime Database, Cloud Firestore
CSS : Sass, Less, Tailwind, Framer-Motion
Etc. : HTML5, C/C++, Swift, Python, Golang

Desing & Tools

Git : Github, GitLab
CI/CD : DigitalOcean, Vercel
Interface Design Tool : Figma
Platform/Service : Axios, Firebase, KeyCloak, Google API, Electron.js, Tauri, Socket.IO, OSC
Tools : Visual Studio Code, JIRA, Trello, Discord, Microsoft Teams