PHARITA SOMBOON

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EDUCATION

Thammasat University, Rangsit Campus; Pathum Thani, TH   *Graduation Date: March 2023*
Bachelor of Engineering in Software Engineering
- Courses: Software Process, Software Testing and Quality Assurance, Cloud Computing, Advanced System Administration, Database Systems, Electronic Commerce Engineering, Web Application Developments
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WORK EXPERIENCE

National Science and Technology Development Agency: NSTDA - Intern; TH   *June - July 2021 (2 months)*
- Software development team at the internship company working in an Agile Environment, during the COVID-19 pandemic in Thailand, devised a solution by programming a Python-controlled robot, built in their lab, to deliver items to COVID patients using a PS4 controller and able to set up routes, Help reducing the risk of the spread of the virus
- Learn about Marvelmind indoor positioning system to set path for autonomous robots, drones, vehicles and humans(eg., building, factory.)
- **Certification from NSTDA**
  https://drive.google.com/file/d/1HhTies5LNQZ-fmV8yXQ3B0saic2poITR/view?usp=sharing

PROJECT EXPERIENCE

Web Applications using Laravel framework
- Built a web application to track income and expenses for online sellers; group project with 3 people using Scrum to get work done, using Google Charts library and jQuery to visualize data
- Built a web application to rate food and restaurants for customers; group project with 3 people using Scrum to get work done, using Katalon Studio as automation testing tool
- Projects work with members to streamline our software development process, we have decided to utilize Github as a central repository to store, manage, track, and control changes to our project, ensuring version control and collaboration among the team members

Chat Application Project
- Built a Chat app in JAVA GUI (JAVA and Java Socket)
- Function on app had sign-in and sign-out system(specific users) communication type 1-1 and 1-many(broadcast)
- The server displays a list of currently online users, allowing for easy communication by select type of communication (1-1/1-many) and send message to other users

Cryptocurrency App(https://github.com/jayun-o/CryptoTracker.git)
- Built a **Cryptocurrency App** in Kotlin using Jetpack compose, Koin to handler Dependency injection
- The app will list the top 100 cryptocurrencies with their prices and trends, featuring a detail screen with animations and a custom graph. The app is designed to be responsive, working on various screen sizes and orientations. It uses Material 3 theming with dynamic colors, adjusting to the device's background color. The tech stack includes Koin for dependency injection, Ktor client for network requests, KotlinX serialization for JSON parsing, and Jetpack Compose for UI building.
- focus on modern Android app development, addressing common questions about state management, architecture patterns, and library choices
- The CoinCap API will be used for data, chosen for its lack of authentication requirements and the material theme was generated using Google's official color generator.

Bookpedia App: Kotlin Multiple Platform (https://github.com/jayun-o/Bookpedia.git)
- Building a "book pedia" app for Android, iOS, and desktop involves cross-platform development using Compose Multiplatform. The app features API integration, local database use, animations, and navigation. It uses clean architecture to separate presentation, domain, and data layers for better maintainability. Ktor 3 0 enhances networking capabilities, while the UI design focuses on reusable components for the book list screen. Koin is utilized for dependency injection in Kotlin Multi Platform projects, simplifying dependency management and improving the overall structure and flexibility of the codebase.

Starbucks App: Kotlin Multiple Platform (https://github.com/jayun-o/starbucks-jetpack-compose)
- Starbucks E-commerce App (Android & iOS) Built a cross-platform Starbucks mobile application using Kotlin Multiplatform (KMP) and Jetpack Compose, transforming Figma UI/UX designs into a fully functional app with a shared UI layer. Implemented a clean multi-modular architecture with MVVM for scalability and maintainability. Key features include Google Sign-In authentication, a shopping cart with customizable options, checkout with Pay on Delivery and PayPal integration, automated email order confirmations, push notifications, and a secure admin panel for product and order management. Leveraged Firebase services (Authentication, Cloud Firestore with security rules, Storage, Cloud Functions, Cloud Messaging) and Google Maps SDK for a complete real-world E-commerce solution. End-to-end development from design to deployment.

Todo App: Kotlin Multiple Platform (https://github.com/jayun-o/Todo-App)
- This project is a cross-platform to-do app built for both Android and iOS using Compose Multiplatform, enabling shared UI development for greater efficiency and consistency. It integrates MongoDB Realm as a local database for seamless and robust data persistence, and features custom Material 3 themes to deliver a modern, branded user experience with light and dark modes. Navigation is handled via the Voyager library for smooth screen transitions, while a ViewModel manages state to ensure responsive and dynamic UI updates. The app is tested on both Android and iOS simulators for consistent performance.

THESIS EXPERIENCE

- As a Front-end Developer
- Worked with teams in an Agile environment and wrote a Software Requirements Specification (SRS) that describes what the software will do and how it will be expected to perform.
- Design and built e-learning web application behind React.js Micro-Frontend Architecture and Find technique to improve front-end skill, Fetch RESTful API use React Hook, using Bootstrap with react for create UI component
- Learn and Research the advantages and disadvantages of Micro-frontend to support Microservice and design a website that good user interface and user experience, considering SEO technique and responsive technology easy to reach

SKILLS & INTERESTS

Preferred programming languages: Kotlin,Swift,SwiftUI,SQL, Python, HTML/CSS, JavaScript ES6, Java
Tools/OS/Framework/Library: VMware, Virtual Box, Katalon Studio, MySQL, Git, Github, Azure, AWS, Linux, Windows, Laravel, Jetpack compose, Framer motion, Vercel ,Tailwind CSS , React.js,Nest.js,Next.js
Languages: Thai - Native, English - Intermediate
Interests: Cyber security, Cloud computing