

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

Prommanusorn Phetchaburi School; Phetchaburi, TH

Sciences and Mathematics Program

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-fmV8yXQ3B0saic2polTR/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

Cloud Computing Assignments

- Experienced with virtual machines on VMware Workstation, Virtual Box and HyperV
- Experienced with VMware ESX, OwnCloud and OpenStack RDO

Website for online shopping using WordPress

- Built a website for online shopping with the WooCommerce and Yoast SEO; E-commerce and SEO plugin

Windows Forms .NET Applications

- Collaborated with 2 people using Scrum to develop this project
- Built an application to book cinema tickets using C#; learning; to learn software pattern concept
- Learned how to adapt Software Patterns in this project

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.

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,Dart,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,Flutter

Languages: Thai - Native, English - Intermediate

Interests: Cyber security, Cloud computing