Kawinphop Chomnikorn

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Skills

Programming Language: Dart, Java, Python, JavaScript, PHP
Backend Frameworks: Django, Flask, Express.js, Laravel
Frontend Frameworks: Flutter**,** React, Angular
CSS Framework: Bootstrap, Material UI
Flutter Widgets: Material Design, Human Interface Guidelines (Cupertino/iOS/macOS)
Databases: SQLite, MySQL, MongoDB
Version Control: Git
DevOps: Docker, CI/CD, Git-flow, Github Action
Design Pattern: OOP , Clean Architecture , MVC
Tools: Postman, VS Code, Xcode, TestFlight, Android Studio, Firebase App Distribution
App Stores: App Store Connect, Google Play Console
Testing: Unit tests , Integration Tests, Emulators, Simulators, Real Device Testing
Authentication: 2FA (Two-Factor Authentication), Firebase Authentication
Payment Integration: RevenueCat (In-App Purchases)

Experiences

IBOTNOI COMPANY LIMITED   Bangkok, Thailand · Full-time · Remote
Mobile Application Developer
                                                                                        June 2024 - Present

App Store: *https://apps.apple.com/th/app/botnoi-voice-text-to-speech/id6670564712*

Google Play: *https://play.google.com/store/apps/details?id=com.mobile.botnoivoice*

Botnoi Voice - Text to Speech Application

- Developed and launched the mobile application from scratch to deployment on Google Play Store and App Store, using Flutter for cross-platform development.

Collaborated closely with cross-functional teams, including:

- UI/UX Designers – Translated wireframes and prototypes into responsive, user-friendly interfaces.
- Backend Developers – Integrated APIs to ensure seamless data flow between frontend and backend systems.
- C-Level Executives (CEO, CTO) – Aligned development goals with business objectives and provided regular progress updates.
- Marketing and QA Teams – Supported product launches and optimized app performance based on user feedback.
- Admin Teams – Configured and managed payment systems, including setting up payment profiles, payment accounts, and store configurations with RevenueCat, ensuring smooth integration with Google Play Console and App Store Connect.

Implemented and managed core functionalities, including:

- REST API integration with secure HTTPS communication.
- Firebase Authentication for user registration, login, and logout workflows.
- In-app purchase (IAP) integration via RevenueCat, managing subscriptions and payments on both Google Play and App Store.

Handled full mobile app lifecycle, including:

- Writing clean, maintainable, and scalable code following best practices.
- Performing unit and integration testing on emulators and physical devices.
- Deploying updates and managing release cycles on Google Play Console and App Store Connect.
- Troubleshooting and resolving issues by working closely with Google Play Console Support and App Store Connect Support, ensuring compliance with app submission requirements.

Managed key app features, such as:

- In-app purchase system using RevenueCat for Google Play and App Store (iOS and Android), including coding, managing accounts, configuring store settings, and handling webhook integrations for real-time updates.
- File management, including downloads and sharing.
- Data filtering and character voice selection, optimizing user experience.

Additional Expertise:

- Strong experience in Agile development, collaborating with stakeholders, tracking progress via Jira/Trello, and ensuring timely delivery of features.
- Skilled in using version control systems like Git, working within a CI/CD pipeline for automated builds and deployments.
- Proficient in mobile app security best practices, ensuring data protection and compliance with store policies.

This experience has strengthened my ability to deliver high-quality mobile applications while collaborating effectively with various teams to achieve business goals.

Student Employment Project (Second Semester, 2023)

- Assisted in teaching practical sessions for undergraduate students in the Data Science and Computer Science programs, conducting on-site classes in a computer lab environment.
- Provided hands-on guidance to students in Database Programming, focusing on essential operations such as CRUD (Create, Read, Update, Delete) using Flask (Python) and SQLite.
  - Taught a class of 30 students, using a Revenue and Expense Management System as a practical case study to demonstrate database operations and application development.
- Delivered lectures and practical training on Chatbot Development, utilizing tools such as:
  - Botnoi Chatbot Platform, LINE API, LINE Official Account, Facebook Messenger, AppScript (API), and Google Sheets (as a database solution).
  - Taught a class of 50 students, guiding them in building real-world chatbot applications for restaurant ordering, queue management, payment processing, menu display, and search functionalities.

Data Analysis and Data Visualization

- Conducted data analysis and visualization using Microsoft Excel and Power BI, working with datasets containing approximately 10,000 rows.
- Applied various data processing techniques, including:
  - Data cleaning and transformation to ensure accuracy and consistency.
  - Pivot tables and charts to summarize and visualize key trends and insights.
  - Power BI dashboards, creating interactive visualizations to identify patterns and business insights.
- Provided students with practical exercises on analyzing business-related datasets and deriving actionable insights through visualization tools.

Responsibilities included:

- Assisting in curriculum development, preparing instructional materials, and ensuring students' understanding through interactive, hands-on learning experiences.
- Providing individualized support to students to help them grasp key concepts and troubleshoot coding challenges.
- Collaborating with faculty members to align course objectives with practical implementation.

Key Skills:

- Database Management (Flask, SQLite)
- Chatbot Development (Botnoi, LINE API, Facebook Messenger)
- Web APIs and Integration
- Data Analysis (Microsoft Excel, Power BI)
- Data Visualization and Dashboard Creation
- Practical Classroom Teaching
- Problem-solving and Troubleshooting
- On-site Instruction in Computer Labs

This role allowed me to enhance my teaching skills, technical proficiency, and ability to work with large student groups while ensuring effective learning outcomes.

https://www.canva.com/design/DAFoMeYjVS0/n7h69B_ANEygepb0vwtI0Q/view?

utm_content=DAFoMeYjVS0&utm_campaign=designshare&utm_medium=link2&utm_source=uniquelinks&utlId=h0606ad572f

UX/UI Designer Internship
- Designed user interfaces for web, mobile, and chatbot applications, ensuring intuitive and visually appealing user experiences across platforms.
- Developed mobile applications using Flutter & Dart, focusing on creating responsive UI components such as:
  - Profile screens with dynamic content.
  - Popup screens with interactive elements.
  - Image Picker and Color Picker functionalities to enhance user customization.
- Implemented a voice recording feature for LINE Chatbot, leveraging user-friendly interaction within the chat interface and utilizing LINE Flex Message for dynamic message templates.
- Developed and deployed mobile chatbot solutions using AppScript (JavaScript/JSON) and integrated with Google Drive, enabling efficient data storage and retrieval.
- Created automated email functionalities using Python, streamlining communication processes within the application.
- Designed and documented user experience processes, including:
  - User Flow to map out user interactions.
  - Lo-fi Wireframes for initial concept visualization.
  - User Journey Mockups to illustrate step-by-step navigation across platforms.

Key Skills:
- UX/UI Design (Web, Mobile, Chatbot)
- User Flow, Lo-fi Wireframe, User Journey Mockup
- Flutter & Dart Mobile Development
- LINE Flex Message
- JavaScript (AppScript, JSON)
- Google Drive Integration
- Python Automation (Email Functions)
- Mobile Chatbot Development

This internship provided me with hands-on experience in UI/UX design principles, mobile development, chatbot integration, and user journey planning, allowing me to collaborate with cross-functional teams and deliver high-quality digital solutions.

Projects

Dog-friendly Hotel Search Web Application Development (Django/Python)

https://github.com/Kawin101/Django_E-Commerce

https://www.canva.com/design/DAGBVAjIhO4/HgOONDhep9MqNfpQZRaStw/view?

utm_content=DAGBVAjIhO4&utm_campaign=designshare&utm_medium=link2&utm_source=uniquelinks&utlId=h8f08c83569

Dog-friendly Hotel Search Web Application Development
A web application platform designed to help users search for hotels that allow dogs to stay, providing a seamless and user-friendly experience with comprehensive features.
Key Responsibilities and Achievements:

- User Authentication System:Developed a registration and login/logout system, ensuring secure access with user-friendly interfaces.
- Advanced Hotel Search Functionality:Implemented search features allowing users to find hotels by hotel name, address, location, and postal code.
- Enabled regional searches based on geographical divisions such as North, South, Central, East, and West, along with province-based filtering.
- Navigation System with Google Maps API:Integrated Google Maps API to provide navigation between selected hotels (e.g., Hotel A to Hotel B to Hotel C), including distance and time calculation.
- Admin Panel for Hotel Management:Developed a frontend and backend admin panel for managing hotel data, such as hotel name, location, images, and social media links.
- Data Analysis and Dashboard:Designed a dashboard using Django administration and jQuery, allowing administrators to analyze hotel search trends and generate insights.
- Hotel Review System:Implemented a review system for each hotel, allowing users to submit text reviews and ratings (1-5 stars) for better decision-making.
- Favorites System:Developed a feature where users can add and remove favorite hotels, which can be used in the navigation system for quick access.
- API Integration:Connected and extracted data from Google Maps API, ensuring accurate hotel location information and travel recommendations.
- Pagination System:Implemented pagination to enhance user experience, including page navigation (1,2,3,4...) for improved browsing performance.

Technologies Used:
- Frontend: HTML, CSS, JavaScript, jQuery
- Backend: Django (Python)
- Database: MySQL
- API Integration: Google Maps API
- Admin Panel: Django Administration
- Version Control: Git
- Server & Deployment: XAMPP, Apache

This project allowed me to enhance my skills in web application development, API integration, and data management, ensuring a smooth and efficient platform for hotel searches.

Personal Website (HTML, CSS, JavaScript, CI/CD, GitHub Actions)

https://kawin101.github.io

Desktop Application Development (Java)

https://github.com/Kawin101/Java_GUI_CRUD_CSV

Web Application Development (PHP)

- *https://github.com/Kawin101/Laravel-Project-Final*

- *https://github.com/Kawin101/web_test_kawin*

- *https://github.com/Kawin101/935304-Laravel_Lab-12-9-2022*

- *https://github.com/Kawin101/php-concert-tickets*

- *https://github.com/Kawin101/git-mylogin*

Web Application Development (JavaScript & TypeScript)

- *https://github.com/Kawin101/Angular-Shopping_Cart*

- *https://github.com/Kawin101/angular-mean-crud*

- *https://github.com/Kawin101/meanstack*

- *https://github.com/Kawin101/Angular-CRUD*

- *https://github.com/Kawin101/935304_WebApp*

Desktop Application Development (C#)

- *https://github.com/Kawin101/935307-CG_Lab02_2-2-2023*

- *https://github.com/Kawin101/935307-CG_Geometric*

Applied Mathematics (Scilab)

- *https://github.com/Kawin101/935302-Computational-Sciences*

- *https://github.com/Kawin101/Scilab-935201*

Mobile Application Development (Flutter & Dart)

- *https://github.com/Kawin101/flutter_firebase*

- *https://github.com/Kawin101/Domain-Firebase-Authen*

- *https://github.com/Kawin101/domain_Flutter2Firebase_CRUD*

- *https://github.com/Kawin101/Domain-Firebase-Authen-main*

- *https://github.com/Kawin101/domainkawin101_localdb*

IoT ESP8266's Project (C++, Arduino)

- *https://github.com/Kawin101/iot_esp8266*

Desktop Application Development (Python)

- *https://github.com/Kawin101/935306AI_Python_Apps_with_kNN*

- *https://github.com/Kawin101/Flask_and_Database*

Artificial Intelligence (Python on Jupyter Notebook)

- *https://github.com/Kawin101/935414_SPD2023*

- *https://github.com/Kawin101/935306_Intelligence_System_Project*

- *https://github.com/Kawin101/935306_Intelligence_System*

- *https://github.com/Kawin101/935442-ImageProcessing*

Education

KHON KAEN UNIVERSITY

Bachelor of Science (Computer and Information Science)   *Apr 2020 – Apr 2024 (Expected Graduation)*

Coursework:
- **Programming:** OOP, Data Structures, Algorithms, Web Development, Mobile Development, Software Engineering
- **Databases:** Database Management, SQL, NoSQL, Data Analytics, Information Retrieval
- **Networking & Systems:** Computer Networks, Operating Systems, System Architecture
- **AI & Machine Learning:** Artificial Intelligence, Machine Learning, Digital Image Processing, Computer Vision
- **Mathematics:** Discrete Mathematics, Numerical Methods, Probability and Statistics, Calculus
- **Problem Solving:** Critical Thinking, Problem Solving, Analytical Skills
- **UX/UI & Human Interaction:** Human-Computer Interaction, UX/UI Design
- **Professional Skills:** Ethics in IT, Project Management, Internship Experience