





HENG RATANAKVISOTH



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PROFILE

Full Stack Developer with experience in mobile and web development, specialized in creating scalable, user-friendly applications. Adept at problem-solving, quickly adapting to new technologies, and delivering impactful tech solutions. Passionate about innovation and eager to contribute to a dynamic team.

SKILLS

Programming Language & Framework

- Javascript - 90%
- Dart - 90%
- Python - 90%
- Flutter - 90%
- NodeJS - 90%
- VueJS - 80%
- NextJS - 80%
- React JS - 75%

Database & ORMS

- MS SQL Server - 80%
- Mongo DB - 80%
- Postgres - 70%
- Firebase - 80%
- Sequelize - 90%

DevOps & Deployment

- PM2 - 90%
- Android , iOS Publish - 85 %
- AWS EC2 - 80%
- Linux , Ubuntu- 80%
- AWS Lightsail - 80%
- Docker - 70%

EXPERIENCE

Tonaire Digital Company

Full Stack Developer | Full Time July 2024 - Present

- Designed and Developed a Point-of-Sale (POS) system using Flutter and Node.js .
- Integrated local banking APIs to streamline subscription payments, improving user convenience and cutting payment errors.
- Deployed the system strategically on Windows Server with Microsoft SQL Database, ensuring scalability and maintaining 99.9% uptime for uninterrupted operations.
- Optimized app performance and responsiveness , successfully published the application to the Play Store and App Store.
- Managed daily operations for over 100 active users, ensuring system stability and providing prompt technical support to enhance user satisfaction.

Employee Management System (Japanese)

Full Stack Developer | Full Time July 2024 - Present

- Developed an internal Employee Management System to help administrators manage large-scale employee data efficiently.
- Built a responsive frontend using Next.js and Tailwind CSS, with features like role-based access control, CSV import/export, and detailed employee data views.

Tools & Integration

- Firebase Cloud Messaging - 90%
- SMS Integration - 90%
- Payment Integration - 80%
- Git - 90%

EDUCATION

HIGH SCHOOL

The Westline School
2016 - 2020

BACHELOR OF SOFTWARE ENGINEER

Kirirom Institute of Technology
2020 - 2025

ACHIEVEMENT

TOP 4 CAMBODIA CS CUP 2023

Achieved a top 4 position in the CS CUP 2023 programming contest organized by Paragon International University, showcasing exceptional programming skills and competitive prowess.

TOP 20 CAMBODIA CS CUP 2022

Participated in a national programming competition hosted by PIU, securing a place in the top 20 among many talented competitors.

- Created a robust backend using Django, supporting authentication, data validation, and secure API endpoints.
- Deployed the system on AWS EC2, using Gunicorn to serve the Django backend and PM2 for managing the Next.js frontend.
- Used Amazon RDS for database storage and Elastic IP to maintain consistent access in case of server reboots or redeployment.

License Plate Recognition System

Full Stack Developer | Freelance Sept 2023 - May 2024

- Developed a full-stack LPR system with Vue.js and Tailwind CSS for the frontend, and Python (Flask) for backend APIs.
- Built a responsive Plate Logs dashboard for real-time tracking and filtering of vehicle activity.
- Integrated detection for Cambodian license plates and implemented tracking for vehicle stay duration within the resort.
- Enabled real-time updates and Telegram alerts using WebSockets, notifying staff of unrecognized license plates.
- Containerized the system using Docker and handled deployment and maintenance on a Linux server to ensure reliability and scalability.

Face Recognition System

Frontend Developer Sept 2023 - May 2024

- Developed a facial recognition-based attendance system for internship and classroom tracking, including both web and mobile applications.
- Built a responsive admin dashboard using Vue.js and Tailwind CSS for managing student attendance and generating reports.
- Developed a Flutter mobile app for students to register and check in via facial recognition using their phone cameras.
- Integrated FaceNet.tflite into the backend for accurate and efficient face matching on both edge and server environments.
- Containerized the system with Docker and deployed it on a Linux server, ensuring reliable and scalable performance.

Delivery Express System

Mobile Developer

Sept 2023 - May 2024

- Developed a cross-platform delivery management system with two Flutter apps for merchants and drivers.
 - Merchant App: Place orders, track packages, and view driver location.
 - Driver App for real-time navigation using Google Maps and managing delivery tasks.
- Integrated Firebase Cloud Messaging for real-time push notifications and order status updates.
- Implemented OTP-based registration using PlassGate, a Cambodian SMS provider, for secure account verification.
- Integrated Telegram Bot API to allow merchants to receive new orders instantly from customers via Telegram.
- Deployed and published the apps on Google Play and Apple App Store, supporting 50+ daily active users (drivers and merchants).

E-commerce Shoe Store

Full Stack Developer

Sept 2023 - May 2024

- Designed and developed a full-stack eCommerce web application for a shoe store, demonstrating strong frontend and backend integration skills.
- Built a modern, responsive user interface using Vue.js and Tailwind CSS, enabling users to browse products, view details, and place orders.
- Created a backend with Node.js and Express, handling user authentication, product catalog management, and order processing.
- Used MongoDB to manage user accounts, product data, and order history.
- Integrated the PayPal payment gateway (sandbox environment) for secure online checkout functionality.

REFERENCES

- Hai Seanghor
 - Maya Technologies Co., Ltd.
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