



## CONTACT

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## EDUCATION

2008 - 2012

### BACHELOR DEGREE

Information Technology  
Kasetsart University

## LANGUAGES

**Thai:** Native Proficiency  
**English:** Working Proficiency (5+ years of practical experience collaborating with international teams)

# Khanut Ukitchoke

FULLSTACK DEVELOPER

## PROFILE

Software Engineer with hands-on experience building scalable mobile and full-stack web applications. Capable of managing projects from concept to deployment using modern frameworks, cloud platforms, and CI/CD workflows. Passionate about self-hosting, home lab infrastructure, and integrating AI tools (Local LLMs, RAG, Automations) to improve daily workflows. A continuous learner who adapts well to new technical challenges.

## SKILLS

### Mobile Application Development

- iOS: Objective-C, Swift
- Android: Java, Kotlin
- Cross-Platform: Flutter (Dart), Native Integration

### Web Development (Backend & Frontend)

- Backend Frameworks: Node.js, NestJS, Django
- Frontend Frameworks: Vue.js, React.js, Nuxt.js

### Cloud Computing & Infrastructure

- Amazon Web Services (AWS), Huawei Cloud, Cloudflare

### DevOps, CI/CD & Automation

- Jenkins, GitLab CI/CD (Pipelines & Runners), Ansible, Fastlane, Docker

### Agile Workflow & Collaboration

- Jira, Confluence

### Database Management

- Relational: PostgreSQL, MySQL
- NoSQL: MongoDB

### Artificial Intelligence, Emerging Technologies & Self-Taught Skills

- AI & LLMs: Agentic AI, Local AI Deployment & Fine-tuning, Retrieval-Augmented Generation (RAG)
- Data & Workflow: Vector Databases, Langflow, n8n
- Generative AI: ComfyUI
- Business Solutions: AI-Driven Business Process Automation
- Infrastructure & Networking: Home Lab Infrastructure, Network Configuration, and Self-Hosted Environments

# EXPERIENCE

2019 - Present

Principal Healthcare Co., Ltd.

## TECHNICAL TEAM LEAD & SOFTWARE DEVELOPER SPECIALIST

- **Healthcare Consumer Product Leadership:** Directed the engineering team in developing and scaling comprehensive consumer-facing healthcare solutions, enhancing the digital experience for all hospital patients across the network.
- **Core Patient Mobile App (Flutter), PRINC Website & Centralized Ecosystem:** Architected the PRINC Health Mobile Application and integrated it seamlessly with the hospital's HIS. Enabled patients to securely track treatment histories, view translated lab and X-ray results, manage prescriptions, schedule appointments, and purchase health packages via an integrated payment gateway. Managed the overarching Portal API and central data synchronization across web and mobile platforms.
- **Smart Patient Registration System:** Engineered the "Princ Smart Register" application to streamline front-desk operations for both new and returning patients. Integrated smart card reader capabilities for automated National ID data extraction and implemented secure digital signing functionalities, significantly advancing the hospital's paperless initiative and optimizing the patient onboarding process.
- **Smart Hospital Queue Management:** Engineered an end-to-end automated queue system utilizing self-service Kiosks for visit slip generation. Integrated department routing, live TV queue broadcasting, and mobile-accessible QR tracking, all synchronized in real-time with the HIS.
- **Telemedicine & Crisis Response Systems:** Rapidly deployed a high-demand COVID-19 vaccination booking and payment portal during the pandemic. Furthermore, successfully launched a secure, HIS-integrated Telemedicine platform within the core mobile app for remote consultations.
- **B2B Clinic Referral Platform (LINE LIFF):** Designed and developed a near real-time referral system for external network clinics using LINE LIFF. Streamlined patient transfer workflows and automated external doctor reward calculations based on HIS treatment status updates.

2018 - 2019 (11 Months)

Jenosize Digital Group

## ENGINEERING MANAGER

- **Team Leadership & HR Enterprise Application (Happywork):** Led a dedicated mobile development team in architecting and delivering a comprehensive internal Human Resources (People Management) application used organization-wide.
- **Location-Based Tracking System:** Engineered precise attendance and time-tracking features utilizing iBeacon technology and GPS geofencing to monitor employee clock-ins/outs effectively.
- **HR Workflow Automation:** Developed core internal modules including leave management (absences and tardiness), employee reward systems, multi-level approval workflows, and administrative user settings.
- **High-Traffic Web Platform (7-Eleven Thailand):** Contributed to the development of the official 7-Eleven web application (currently live), serving a massive nationwide user base.
- **Loyalty Program & Gamification:** Successfully integrated the "All Member" loyalty system into the web platform and architected the foundational structure for gamification features to drive user engagement and retention.

# EXPERIENCE

2012 - 2018 (6 Years 7 Months)

Wisdomvast Co., Ltd

## MOBILE DEVELOPER

- **Core iOS Development:** Led the end-to-end development lifecycle for numerous iOS applications in a dynamic software house, adapting quickly to complex client requirements and diverse business models.
- **High-Concurrency Streaming Solution:** Built and maintained a high-performance video streaming platform featuring VOD (Video on Demand), live broadcasting, and content downloading, engineered to handle 100K+ simultaneous users.
- **Telecom & FinTech Integrations:** Developed a full-service telecommunications application, integrating secure user authentication (e-KYC) and complex API workflows for SIM registration, data plan modifications, and user lifecycle management.
- **Multimedia & VR Projects:** Successfully launched various multimedia projects, including a fully functional eBook platform and an interactive VR Games Showcase application.