



# NANDA WIN KYU

<b>Address:</b>	Bagnkok, Thailand
<b>Pone:</b>	+66 9 3015 8373
<b>Email:</b>	nandawinkyu.ix@gmail.com
<b>LinkedIn:</b>	linkedin.com/in/nanda-wk
<b>GitHub:</b>	github.com/nanda-wk
<b>Portfolio:</b>	nandawinkyu.netlify.app

## SUMMARY

Full-Stack iOS Developer with 3+ years of experience specializing in SwiftUI, UIKit, and Java Spring MVC. Proven expertise in high-security architectures using RSA/AES hybrid encryption and modern UI/UX implementation, including Apple's Liquid Glass system. Strong background in delivering enterprise-grade solutions for Japanese offshore teams under rigorous quality standards. Adept at managing the full software development lifecycle, from technical planning and cryptography design to final App Store deployment.

## WORK EXPERIENCE

### Software Engineer | Tech Breeze - Remote Tech Breeze

Aug 2025 - Present  
Remote

www.tech-breeze.com.mm

- Flagship Product Development: Currently spearheading the end-to-end iOS development of a high-performance Events Ticket Selling platform scheduled for a Q1 2026 release, utilizing a hybrid of SwiftUI and UIKit.
- Secure Architecture & Cryptography: Designed a robust security layer for the upcoming Events app, implementing SSL Pinning and a hybrid RSA-AES encryption scheme. This involves a two-way handshake where payload data is secured via RSA and decrypted using dynamically exchanged AES keys and IVs.
- Mental Health Platform (Mobile & Backend): Developed and maintained an online mental health booking app, managing both the iOS frontend and the Java Spring MVC/JPA backend system to ensure seamless data flow between patients and providers.
- Fintech & Localization: Engineered local payment gateway integrations for the Mental Health platform, enabling secure, regionalized transactions for medical services and consultations.

### Senior Programmer (Promoted from Programmer) DIR-ACE Technology

May 2022 – May 2024  
Yangon, Myanmar

www.diracetechology.com

- Japanese Offshore Operations: Collaborated closely with Japanese stakeholders to deliver high-quality software for Financial Security (Online Broker) systems, adhering to strict Japanese quality standards and rigorous Poptree checklists.
- Financial System Development: Developed and maintained core features for brokerage platforms using Java, JSP, and PL/SQL, focusing on data integrity and high-security system reliability.
- Quality Control (QC) Innovation: Co-led a company-wide QC project that won 2nd prize by automating the internal monthly reporting process. Engineered a custom Excel VBA tool by reducing manual reporting work and errors by 50%.

- Internal Systems Architecture: Designed and implemented a company-wide Working Hour Management System using JSF (JavaServer Faces), JavaScript, and MySQL, streamlining internal resource tracking.
- Scripting & Tooling: Utilized CShell and PL/SQL for complex database operations and server-side processing, ensuring smooth data migration and system maintenance.
- Leadership & Mentorship: Mentored junior developers, conducted code reviews, and managed performance assessments to ensure team alignment with offshore delivery milestones.

## PROJECTS

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### KoeNaWin - Practice

[github.com/nanda-wk/KoeNaWin](https://github.com/nanda-wk/KoeNaWin)

[apps.apple.com/us/app/koenawin-practice/id6747106061](https://apps.apple.com/us/app/koenawin-practice/id6747106061)

- Immersive UI/UX: Pioneered the use of Apple's Liquid Glass design language, implementing complex shaders for real-time refraction and dynamic translucency to enhance spiritual focus.
- Data Persistence: Engineered a robust local storage layer using Core Data, ensuring 100% offline availability for user prayer streaks and spiritual progress tracking.
- User Retention: Developed a custom local notification engine to trigger daily mantra reminders, significantly increasing daily active users (DAU).
- **Tools Used:** SwiftUI, Liquid Glass, Core Data, Localization

### Rick and Morty Infoverse

[github.com/nanda-wk/RickAndMortyInfoverse](https://github.com/nanda-wk/RickAndMortyInfoverse)

- Modern Concurrency: Leveraged Swift Async/Await to handle asynchronous network calls, improving app responsiveness and reducing "callback hell."
- Performance Optimization: Integrated Kingfisher for advanced image caching and implemented Lazy Loading grids to maintain a smooth 60 FPS scrolling experience during data-heavy API fetches.
- **Tools Used:** SwiftUI, Async/Await, Kingfisher

### Hotel Management System

- Booking Logic: Engineered a centralized reservation system with automated room availability tracking and guest billing modules.
- Persistence: Designed a normalized MySQL database to handle high-concurrency booking requests during peak seasons.
- **Tools Used:** Java Spring Boot, Thymeleaf, MySQL, Digital Ocean, Linux

## EDUCATION

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### Bachelor of Science (Level 6) in Computing | Second Class Honours (2nd Division)

University of Gloucestershire (UK) | Awarded: March 18, 2021

- Core Security Focus: Completed advanced modules in Secure Coding and Advanced Networking & Security.
- Quality & Research: Studied Software Quality Assurance and achieved a Grade B (62%) in Dissertation Research Methods.
- Global Standard: Delivered via Gusto International University in accordance with UK HEAR standards.

## PROFESSIONAL CERTIFICATE

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Meta iOS Developer Professional Certificate | Issued: Nov 26, 2024