

# ZAYN NAING

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## SENIOR MOBILE ENGINEER

Senior Mobile Application Engineer with over 8 years of experience leading international teams and developing high-performance mobile applications. Experienced at Rakuten Group Inc., Japan's largest e-commerce platform. Specialized in building scalable, high-performance, and highly available mobile solutions across e-commerce, fintech, and digital services. Proficient in Swift, Kotlin, and cloud architectures (AWS, GCP), with expertise in architectural design, deployment, and Agile/Scrum methodologies. Skilled in driving end-to-end mobile development, mentoring engineers, and optimizing user experiences through innovative solutions.

- Mobile Application Architecture • Scalable System Design • UI/UX Design • API Integration & Data Exchange • CI/CD
- Performance Optimization • Database Management • Data Analytic • Test-Driven Development • Security & Encryption

**Languages:** Swift, Objective-C, Java, Kotlin

**Web:** HTML

**Web Services:** REST, JSON, HTTP, XML

**Web/App Servers:** Apache Tomcat

**Frameworks:** UIKit, SwiftUI, CoreData, CoreAnimation, CoreML, Gradle, SQLite

**Databases:** MySQL, Realm

**Design Patterns:** MVC, MVVM, MVP, Reactive Programming RX

**SDLC:** Agile, Scrum, Waterfall

**Tools:** Xcode, Android Studio, Cocoapods, Maven, Gradle, Ruby, Brew, GitHub, App Store Connect, Google Play Console, Jira, Confluence, Backlog, Slack, Firebase, Google Analytics, Tableau

**Platforms:** Windows, Mac OS, Google Cloud Platform, Firebase

## PROFESSIONAL EXPERIENCE

**CAREER NOTE:** Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

### RAKUTEN GROUP, INC., Setagaya, Japan • 12/2019 – 06/2024

A global technology leader in services that empower individuals, communities, businesses and society.

#### Senior Mobile Application Engineer (iOS/Android)

Designed, developed, and optimized high-performance iOS and Android applications.

- Architected a scalable and resilient mobile application infrastructure for Rakuten's digital marketplace using Kotlin, Swift, Firebase, and AWS (S3, Lambda, API Gateway), enabling seamless performance and achieving 70,000+ MAU within six months of launch.
- Developed an automated issue tracking and resolution system that optimized debugging processes using Firebase Crashlytics and Google Analytics, reducing critical issue resolution time by 40% and maintaining a 99.99% crash-free user experience.
- Led the design and implementation of an e-commerce mobile platform connecting farmers with consumers using Firebase realtime report, Google Analytics, Braze and Adjust, leveraging real-time data synchronization and intuitive UX, driving 32,000+ MAU and increasing user retention.
- Optimized API integration and asynchronous data processing for Rakuten's mobile ecosystem Retrofit, Glide (Android), Alamofire, APIKit (iOS), reducing response times and improving app scalability to support high traffic loads.
- Engineered a CI/CD pipeline using automated testing and deployment tools GitHub Actions, Fastlane and Firebase App Distribution, reducing release cycle time and ensuring seamless production rollouts with minimal downtime.
- Enhanced security by implementing end-to-end encryption and biometric authentication SSL/TLS protocols, and biometric authentication (Face ID, Fingerprint API), strengthening data protection and regulatory compliance while improving user trust and adoption rates.

**Technologies Used:** iOS (Swift, Objective-C, SwiftUI, UIKit, CoreData, CoreML), Android (Kotlin, Java, Android SDK, Gradle, SQLite), Architecture (MVVM, MVP, RX, MVC), API (REST, JSON, XML, Websockets), Notifications (APNS, Firebase, Braze), Security (Encryption, 2FA, Biometric, SSL/TLS), CI/CD (GitHub Actions, CircleCI, TeamCity), Testing (JUnit, XCTest).

## **4QUALIA CO., LTD, Shinagawa, Japan • 11/2015 – 12/2019**

Software development company including IoT, blockchain, AI solutions, RPA, web systems/application development.

### **Mobile Application Engineer (iOS/Android)**

Developed, tested, and maintained iOS and Android applications.

- Built high-performance mobile applications iOS (Objective C, Swift) and Android (Java, Kotlin), achieving 100% on-time project delivery and exceeding client expectations through optimized workflows.
- Designed and implemented technical specifications and user stories by collaborating with product managers, UX/UI designers, and backend developers, resulting in a 30% reduction in development cycle time using project management tools such as JIRA, Confluence and Backlog.
- Developed complex iOS and Android features using Swift and Kotlin, enhancing user engagement and increasing app store ratings by 20% through seamless performance and intuitive design.
- Mentored junior and mid-level engineers by conducting code reviews, enforcing design patterns (MVVM, MVP), and guiding best practices, leading to improvement in code quality and team efficiency.
- Evaluated and integrated third-party libraries and frameworks such as Firebase, Fabric, optimizing development workflows and reducing overall feature implementation, improving scalability and maintainability.
- Led the migration of legacy codebases to modern architectures, refactoring outdated modules by modifying to MVP and MVVM design pattern, improving performance and ensuring long-term code maintainability.

**Technologies Used:** iOS (Swift, Objective-C, UIKit), Android (Kotlin, Java, Android SDK, Gradle, SQLite), Architecture (MVP, MVC), API (REST, JSON, XML, Websockets), Notifications (APNS, Firebase), Security (Encryption, 2FA, Biometric, SSL/TLS), CI/CD & Testing (JUnit, XCTest), App Distribution (App Store Connect, Google Play Console, Firebase, TestFlight).

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## **ACADEMIC PROJECTS**

### **Maharishi International University (2024)**

- **Student Policy System:** Built a Student Policy System with a React frontend and a Node.js backend, enabling students to view and manage policies related to their academic records. Developed frontend components, integrated RESTful APIs, and handled backend logic for data storage and retrieval. Utilized React & Node.js.
  - **Student Policy System:** Designed and implemented a Student Policy System using React for the frontend and Spring Boot for the backend. Developed UI components, integrated APIs, and optimized database interactions, ensuring seamless performance and user experience. Utilized React & Spring Boot.
  - **Cloud Computing Project:** Created a serverless cloud-based application leveraging AWS services (S3, Lambda, API Gateway, DynamoDB) for scalable and cost-efficient data management. Implemented backend logic using AWS Lambda, designed API endpoints via API Gateway, and managed data storage in DynamoDB. Utilized AWS, S3, Cloudfront, Cloudformation, Codepipeline, Lambda, API Gateway, DynamoDB.
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## **EDUCATION**

### **Master of Science in Computer Science**

*(In progress via distance education; expected completion 04/2027)*

Maharishi International University, Fairfield, Iowa

Key Courses: Algorithms, Software Engineer, Web Application Programming, Cloud Computing

### **Bachelor of Engineering in Information Science and Technology**

University of Technology (Yatanarpon Cyber City), Pyin Oo Lwin, Mandalay (11/2015)