THIHA AUNG

Fairfield, Iowa 52556 • +1-641-233-9295 • thinayeyintaung110919@gmail.com https://www.linkedin.com/in/thina-ye-yint-aung-64a509203/

IOS SOFTWARE ENGINEER

Skilled Software Engineer with 3 years of experience specializing in iOS software development, with extensive experience in designing and developing advanced, high-performance applications across diverse business domains, including sports technology, instrumentation, and energy management. Lead iOS engineer for in-game field calibration applications at Rapsodo Sports in Singapore, delivering complex features such as sophisticated graphical interfaces, scalable cloud integration, and reliable data-synchronization architecture with high-performance concurrency systems that provide a smooth and robust end-user experience, greatly accelerating product adoption and revenue growth. Skilled in multiple phases of the Software Development Life Cycle— notably architecture, design, and coding— and in Agile environments, consistently delivering high-quality, bug-free software solutions.

• Application Architecture • Multithreading • Artificial Intelligence (AI) • Machine Learning • Cloud Computing

• Performance Optimization • Strategic/Critical Thinking • Continuous Integration/Continuous Deployment (CI/CD)

Languages: Swift, Python, C#

Web: JavaScript, React, HTML, CSS, TailwindCSS

Web Services: REST, SOAP

Frameworks: SwiftUI, Swift concurrency, Core ML, Core Data, Scikit-learn, PyTorch, Keras, Express

Databases: Firestore, MongoDB, MS SQL, Oracle, Core Data

Design Patterns: VIPER, MVVM, MVC, Singleton, Factory, Delegation, Facade, State, Mediator, Composite, Flyweight

SDLC: Agile Model, Scrum

Tools: Xcode, Jupyter Lab, VS Code, Jira, GitHub

Platforms: MacOS, Window, Linux, GCP, Amazon Web Services (AWS), Firebase

Big Data: Linear/ Poly regression, Logistic regression, SVC (Scikit-learn)

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).

RAPSODO SPORTS, Singapore, Singapore • 10/2022 - 07/2024

An organization that is advancing the way sports are played and enjoyed globally through data and technology.

iOS Software Engineer

Designed, built, and managed Rapsodo's Baseball and Cricket iOS applications.

- Developed the in-game Field Calibration applications for Rapsodo's MLB baseball and cricket products as the lead iOS engineer using Swift and SwiftUI, cutting the manual field-calibration setup process by 80%.
- Integrated AWS and Firebase cloud services to synchronize player-performance metrics logs, enabling premium on-demand analytics subscriptions for athletes and teams increasing company revenue by 15%.
- Built a robust multithreaded system using Swift Concurrency to optimize CoreData, AWS, and Firebase operations in the background, ensuring seamless performance, 100% data reliability, and zero downtime.
- Designed intuitive UI/UX for Rapsodo Diamond and Field Calibration apps, using complex math for custom navigation, interactive calibration, and dynamic visualizations, enhancing user satisfaction and customer growth.
- Delivered the application ahead of planned release-cycle deadline, meeting all the requirements and features while displaying a remarkable commitment to excellence by ensuring a seamless, bug-free user experience.
- Implemented firmware-update workflows and manual IP configuration using a C++ network library bridged with Objective-C, extending device compatibility across the product line.

<u>Technologies Used:</u> Swift, SwiftUI, Swift Concurrency, CoreData, Firebase Storage, Google Analytics, AWS S3, AWS Elasticsearch, Xcode, Python, Scikit-learn, Conda, JupyterLab, C++, Obj-C.

TESLA CONSULTING, Singapore, Singapore • 11/2021 - 08/2022

Tesla Consulting Pte Ltd is a business process and IT solutions consulting firm based in Singapore.

Software Engineer

Developed and deployed scalable Web APIs and implemented effective SQL data management solutions.

 Built scalable RESTful APIs for Keppel Electric and Sembcorp Gas systems using C# and .NET, automating transactions and multi-currency billing to cut manual workload and processing time.

- Managed accurate data migration using MS SQL and Stored Procedures, ensuring financial data integrity during system transitions and improving reporting reliability.
- Developed flexible reporting APIs with C# and SQL, allowing users to generate advanced analytical reports from custom parameters, boosting data-driven insights.
- Created an internal API testing portal with JavaScript, HTML, and CSS, improving API validation and development efficiency by 80%.
- Collaborated with functional teams, BAs, and PMs to define API requirements aligned with business goals and technical needs, ensuring smooth team integration.

Technologies Used: C#, MS SQL, Stored Procedure, JavaScript, HTML, CSS.

INTERNSHIP EXPERIENCE

Gantner Instruments, Singapore, Singapore • 05/2020 - 10/2020

A global leader in high precision measurement and control systems in the fields of electrical, mechanical and thermal measurement products.

iOS Application Developer

- Developed robust communication APIs, facilitating seamless interaction with Q Station products through bridging Objective-C with a C++ library.
- Designed visually appealing, user-customizable dashboards for managing real-time, high-speed data from Q Station products, utilizing a proficiently designed multi-threaded process with dynamic data configuration capabilities for advanced analysis.
- Integrated Firebase Cloud Messaging to deliver real-time user alerts upon Q Station data exceeding or falling below predefined thresholds, ensuring immediate responsiveness and enhanced data monitoring.

Technologies Used: Swift, Core Animation, UIKit, Xcode, C++, Firebase.

ACADEMIC PROJECTS

Maharishi International University (2025)

Serverless E-commerce Application: Built a fully serverless e-commerce fashion platform on AWS, defined end-to-end in CloudFormation YAML and deployed through an automated CodePipeline CI/CD flow. A React application is delivered from an S3 static-site bucket through CloudFront, while AWS Amplify wires the frontend to Amazon Cognito, issuing JWTs for seamless, secure sign-in and checkout. API Gateway exposes CORS-enabled REST endpoints that trigger stateless Lambda functions for catalog search, cart management, and order processing, persisting data to DynamoDB tables. A separate S3 bucket stores high-resolution product images, where an event-driven Lambda function generates thumbnails to optimize image rendering—completing a highly scalable, low-ops e-commerce architecture. Utilized AWS.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 06/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: Algorithms, Web Application Programming, Enterprise Architecture, Cloud Computing

Diploma in Computer Engineering

Temasek Polytechnic, Singapore, Singapore (04/2021)

CERTIFICATIONS

Harvard CS50 AI Certificate