

PRAMUDITHA MUHAMMAD IKHWAN

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EXPERIENCE

4TITU PTE LTD <i>Fullstack Developer</i>	Remote August 2025 – Present
<ul style="list-style-type: none">Developed supplier and packaging management features, including dynamic unit conversions and cost-per-portion calculations, reducing manual bookkeeping errors and improving pricing accuracy.Designed and implemented a multi-level unit-of-measure (UOM) system that normalizes conversions across supplier packaging, storage units, and recipe units, ensuring consistent calculations for costing, inventory adjustments, procurement planning, and all downstream modules in the platform.Developed a theoretical-vs-actual usage analysis module that identifies overuse, shrinkage, and operational inefficiencies in real time, allowing managers to make data-driven adjustments to recipe standards, procurement planning, and portion control.	
Apple Developer Academy @ Infinite Learning <i>iOS Developer – SLNG</i>	Batam, Indonesia November 2025 – December 2025
<ul style="list-style-type: none">Implemented a shared data architecture using App Groups and SwiftData to unify the main app, keyboard, and share extension, resulting in consistent translation behavior and cutting extension cold-start delays by reducing redundant disk reads.Migrated the backend from Node.js to Go and optimized the client-side networking stack, reducing average translation response time from ~3 seconds to ~1.5 seconds and significantly improving perceived latency across all extensions.Designed and implemented advanced system-level features that include real-time speech-to-text using async audio pipelines, animated UI components, and accessibility-compliant interaction models.	
<i>iOS Developer – Dialogua</i>	September 2025 – October 2025
<ul style="list-style-type: none">Led the backend development using NestJS, establishing a modular and scalable architecture that cleanly separates core business logic, routing, and domain-specific workflows.Integrated OpenAI Whisper and TTS pipelines into the backend to support real-time, AI-driven conversational experiences, enabling low-latency speech-to-text and natural-sounding text-to-speech responses.Designed and implemented a dynamic quiz-routing in the client-side that computes the next question based on quiz structure, branching rules, and remaining question count, enabling flexible, non-linear learning flows without hardcoded sequences.	
<i>iOS Developer – Paintee</i>	May 2025 – July 2025
<ul style="list-style-type: none">Led the end-to-end development of <i>Paintee</i>, an iOS AR face painting app using SwiftUI, ARKit, and RealityKit, enabling users to apply symmetrical designs in real-time through facial tracking.Designed and implemented a custom multi-screen AR session management system to ensure seamless transitions and optimal performance across AR views, reducing session conflicts and app crashes.Collaborated in a cross-functional team to launch <i>Paintee</i> on the App Store, incorporating user feedback loops, UI/UX improvements, and app performance optimization to enhance user satisfaction.	
PT Widya Inovasi Indonesia (Widya Robotics) <i>System Analyst</i>	Yogyakarta, Indonesia August 2023 – December 2023
<ul style="list-style-type: none">Designed the backend systems architecture for a Vehicle Counting System for a state-owned company client, saving 5% of computation time. Participated in three key meetings and presented the design to the client, including the company’s Head of Technology.Conducted research on new methods to develop an automatic gate opening system using facial recognition technology which leads to enhancement of 2x more accurate recognition.Re-labeled 1,000 images to enhance the effectiveness of the face detection system. Additionally, analyzed and optimized camera type, heights, focal points, and lenses, improving the model accuracy by 2%.	

EDUCATION

Yogyakarta State University Bachelor of Engineering in Information Technology GPA: 3.83/4.00	Yogyakarta, Indonesia August 2021 - May 2025
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AWARDS: GEMASTIK XVII Finalist · 1st Winner UNITY 2024 · hackHERthon Favorite Winner · Top 200 IDT

SKILLS: Swift, SwiftUI, UIKit, SwiftData, Combine Tools: VS Code, Xcode, Git, GitHub, Google Suite, Trello, Postman