

# CHRISTOPHER JULIUS LIMANTORO

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## WORK EXPERIENCES

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### GDP Labs

Software Engineer - Full Time

Jakarta, Indonesia (Hybrid)

08/2025 – present

- Engineered and automated the integration of 4+ new MCP tools for the GLAIR Vision project, significantly boosting long-term project maintainability and scalability.
- Architected and developed a sophisticated AI agent designed for seamless integration with internal Large Language Models (LLMs), enhancing core model capabilities.
- Partnered with 3 cross-functional teams to design, develop, and deploy 5+ new features directly addressing client requests.
- Pioneered key feature enhancements that advanced the platform towards a low-code/no-code environment, simplifying future development and maintenance.

**Tech Stacks :** NestJS, TYK Gateway, NextJS, Python, MCP

### Apple Developer Academy - Catalyst Program

Software Engineer (iOS, IOT, and web) - Contracted

Jakarta, Indonesia (Online)

02/2025 – 08/2025

- Maintained and tested the end-to-end solution for RandL, a smart drum learning tool, in close collaboration with over 5 stakeholders to ensure product quality, usability, and reliability.
- Implemented 4+ new features based on user testing insights, focusing on enhancing functionality and overall user experience.
- Built a responsive marketing website for RandL to promote the product and attract potential users and partners.
- Collaborated with 6 team members to align hardware and software development timelines, ensuring smooth integration and delivery.

**Tech Stacks :** SwiftUI, Arduino, NextJS

### Inagurasi Pelangi Nusantara

Full-Stack Engineer - Final Thesis Project Partner

Surabaya, Indonesia (Onsite)

12/2024 – 04/2025

- Designed a new Enterprise Resource Planning (ERP) system tailored for jewelry stores, fully integrated with a marketplace platform.
- Architected 5+ microservices to ensure system scalability, flexibility, and modularity.
- Utilized Kubernetes, Docker, and AWS for deployment, orchestration, and reliable cloud-based delivery.
- Developed the frontend for both platforms: a web application using Vue.js and a mobile application using Flutter, ensuring a seamless user experience across devices.

**Tech Stacks :** Flutter, NestJS, VueJS, RabbitMQ, Kubernetes, Docker

### Apple Developer Academy

iOS Engineer - Internship

Surabaya, Indonesia (Onsite)

03/2024 – 12/2024

- Prototyped 5+ app solutions in SwiftUI based on user research, improving user experience and increasing user acceptance rates.
- Published 3 iOS apps to the App Store while maintaining high standards of app quality and timely delivery.
- Led 2 teams, Engaged with 20+ team members, contributed to the development and delivery of app solutions, and presented the final products to Apple teams from around the world.

**Tech Stacks :** SwiftUI, Arduino

## EDUCATION

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**Petra Christian University**

Bachelor's degree, Business Information System

**GPA:** 3.98/4.00

Surabaya, Indonesia

08/2021 – 08/2025

## PROJECT HIGHLIGHT

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### RandL – Smart Drum Learning System with IOT Device

- Launched an interactive drum training tool built with SwiftUI and Bluetooth Low Energy, delivering real-time feedback to learners.
- Built a smart drum pad with Arduino and sensors, detecting hit accuracy and transmitting data via BLE.
- Conducted testing with 5+ partnered users, leading to a 40% improvement in hit accuracy recognition.
- Presented to 100+ Apple teams and global peers during the Showcase, receiving positive feedback on product usability.

**Tech stacks:** SwiftUI, Arduino

### Otterator – Personal Presentation Aid

- Created a speech-practice tool leveraging voice recognition and SwiftUI to deliver real-time performance insights.
- Integrated OpenAI API to detect speech errors and suggest improvements instantly.
- Tested with 10+ users, resulting in a 30% average improvement in speech clarity and delivery.
- Focused on clean UI/UX for ease of use, leading to high user satisfaction during testing sessions.

**Tech stacks:** SwiftUI, UIKit

### Logamas – Dedicated Enterprise Resource Planning for Jewellery Stores

- Architected and implemented 5+ backend microservices using NestJS to ensure modularity and scalability.
- Developed both web (Vue.js) and mobile (Flutter) applications for store operations and management.
- Containerized and deployed the system using Docker, Kubernetes, and AWS EC2 for robust performance.
- Delivered a complete end-to-end ERP system, supporting transactions, inventory, and marketplace integration.

**Tech stacks:** NestJS, VueJS, Flutter, Docker, Kubernetes

### SAOCP – Informatics Student Practicum Management Website at Petra Christian University

- Developed SAOCP, a system for Managing Practicums for Informatics students at Petra Christian University, which includes Practicum Application for Informatic students, Laboratory Management, Assistant Management System, and Role Based Access Control (RBAC)
- Currently utilized by over 300 students every semester for practicums application purposes, and used by over 50 assistants and lecturers for practicum administration purposes

**Tech stacks:** Laravel, ReactJS, MySQL, Tailwind CSS

## HONORS AND AWARDS

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- [University] Ranked #1 on 10% of First Year Students with the Best Academic Achievement in 2021/2022 for Business Information System Department at Petra Christian University
- [Competition] Ranked #1, *Hackfest UC* – national hackathon hosted by University Ciputra by developing an innovative tech solution under time constraints and competitive judging criteria.