Catherine Alyssa Rapito

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PROFESSIONAL SUMMARY

Full-stack developer skilled in ReactJS, Go, Laravel, and modern frameworks. Builds scalable web and mobile apps, leads projects, and supervises teams of 100+ teaching assistants. Proven results with award-winning projects and academic achievements.

TECHNICAL SKILLS

Programming Languages: Go, JavaScript, TypeScript, Python, PHP, Rust, Kotlin, Java, C/C++, C#, SQL

Frameworks: Gin, Laravel, ReactJS, React Native, Remix, ExpressJS, ASP.NET, NextJS, Streamlit

Technologies: MySQL, PostgreSQL, TensorFlow, PyTorch, Firebase, Supabase, Docker, Kubernetes

EXPERIENCE

Assistant Development Officer — Feb. 2025 – Present
BINUS University — *Jakarta, ID*

- Supervised the execution and evaluation of **10+ project-based assessments** for **100+ Teaching Assistants** across three campuses, improving average scores of Test Progressive Assistant (TPA) by **17.8%** and Research Interest Group (RIG) scores by **25.6%**.
- **Developed** and **maintained academic division apps** to support internal operations.
- **Conducted research** and **updated materials** for assessments to **match current industry standards**.
- **Managed Google Play Store publications**, uploading, testing, and migrating **200+ apps**.
- **Digitized RIG management** by transitioning from Excel-based tracking to GitHub Projects for improved transparency and project planning.

Teaching Assistant — Feb. 2024 – Jan. 2025
BINUS University — *Jakarta, ID*

- **Taught 7–8 courses per semester**, guiding **400+ students** across subjects such as Algorithms & Data Structures, Database Management, Object-Oriented Programming (OOP), Frontend & Backend Development, and iOS Development.
- **Awarded "Best Performing Assistant" Diploma** (Even Semester 2023/2024) and **nominated again** for Odd Semester 2024/2025 for consistent excellence in teaching and punctuality.
- **Served as Subject Coordinator** for the **Web curriculum** for assistant recruitment, overseeing **assignment and project design**, **staff allocation**, and **candidate performance evaluation** while ensuring all deadlines were met.
- Created practical exam cases and evaluated **200+ students**' assignments each semester.
- **Completed 5 self-development projects**, including: 3D RPG Game (Unity, C#), Exam Management App (ReactJS, Tauri, Rust), Spotify Clone (ReactJS, Go, Python, Redis), Mobile App (Kotlin, Jetpack Compose, Firebase), and Network/DevOps (Cisco, Docker, Kubernetes).

EDUCATION

BINUS University — Sep. 2023 – Present
Bachelors of Computer Science, GPA 3.81 — *Jakarta, ID*

- **Awarded a 16-credit scholarship** for mentoring peers and supporting their academic development.
- **Published a research paper** at the ICEEIE 2025 conference, titled "Empirical Evaluation of Activation Functions in CNN Models for Lung Nodule Classification".

ACHIEVEMENTS

3rd Place – CodeFest Hackathon 11 — Mar. 2025

- Developed a **P2P lending dApp** on the Internet Computer (ICP) network, integrating real-world asset (RWA) collateral and AI-based facial recognition for secure user verification.

Best Performing Assistant Diploma — Aug. 2024

- Recognized among top assistants for outstanding performance, punctuality, and reliability, maintaining a **perfect attendance record** and achieving **top-tier evaluation scores**.