

Ferry Rachman Kurniawan

STUDENT

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Profile

Final-year Computer Engineering student at Bina Nusantara University with a strong focus on mobile application development and IoT systems. Experienced in building cross-platform apps using Flutter and integrating with hardware via ESP32 and MQTT. A self-driven developer passionate about solving real-world problems through technology, with a proven track record in both individual and team projects.

Education

Bina Nusantara University	2022 - Present
Bachelor of Computer Engineering – GPA 3.14	

Experience

Zegen Solusi Mandiri	Feb 2025 - Present
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Mobile Programmer | Internship

- Developed and maintained cross-platform mobile applications for Android and iOS using Flutter.
- Collaborated with team members to ensure timely delivery of features and fixes.

Projects

Smart Medicine Dispenser | Full Stack Developer

[🔗 GitHub Link](#)

- Technologies used: Flutter, Laravel, Azure, ESP32, Arduino, FCM, RESTful API, MQTT.
- Help users remember to take their medicine on time and automatically dispense the correct dosage.

BNEC Mobile App | Full Stack Developer

GitHub link: Private

- Technologies used: Flutter, Laravel, RESTful API.
- Help users see their class schedules, partner locations, news, articles, and BNEC merchandise.

Favorite Places | Developer

[!\[\]\(529949c2c3dadbaa4e538e8c643454bc_img.jpg\) GitHub Link](#)

- Technologies used: Flutter, Firebase, GetX, Get Storage, Flutter Map.
- Help users save their favorite places and pin them on the map and can open the location on Maps.

Organization Experience

Bina Nusantara English Club (BNEC)

Manager of Information Technology | BNEC Presidency 2024

- Update and maintain all BNEC's website.
- Create web development training for staff.
- Provide all BNEC's needs in terms of technology.

Project Officer | Fast Track TOEFL 2023

- Lead a team of four people.
- Researched and secured an English Learning Institution for Fast Track TOEFL through successful negotiations.

Vice Project Operational | New Member Recruitment 2023

- Lead 2 Division.
- Organize the operation of the event including Counseling Class, expo UKM, Comprehensive Presentation, and Welcoming Party.
- Provided seamless new member registration.

Technical Skills

Framework: Flutter, Laravel, Arduino, Qt

Languages: Dart, PHP, C/C++

Hardware & Embedded: ATmega328P, ESP32

3D Design: Fusion 360

Tools & Other: Git, REST API, Firebase, Bloc, Getx

Soft Skills

Strong communication and teamwork

Time management and adaptability

Leadership and initiative in team settings