

# Muhammad Rafie Chautie

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## SUMMARY

Rafie (22) is an Information Systems graduate interested in information technology with a strong background in android development, website development, and API development. Possessing experiences not only in developing a full stack website, but also in creating API. He is keen to develop himself by seeking challenging opportunities working as a software engineer.

## Skills & Competencies

- Possess knowledge in Kotlin, Java, JavaScript, and PHP programming languages
- Understand Object Oriented Programming
- Familiar with Node.js, HAPI, Express, React.js, and Laravel frameworks.
- Have Strong fundamental of Programming and Problem Solving
- Able to develop native Android applications using Kotlin programming languages
- Have the ability to use Git and Github
- Proficient in using MySQL, Room, Firebase Realtime Database, and MongoDB
- Have knowledge to create REST API and utilize it.

## EXPERIENCES

### Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka

Mentor Android Developer (August—now)

- Led 25 mentees in the MD-05 class and helped them complete the Bangkit program successfully to become good Android developers
- Collaborated with instructors to deliver engaging learning sessions.
- Reviewed and provided feedback on mentees' daily and weekly logbooks submitted on the Kampus Merdeka platform.

### Freelancer at PT Sriwijaya Techno

Backend Developer (April—July 2023)

- Developed the PPI system, a system for submitting engineering degree applications at the Faculty of Engineering, Sriwijaya University.
- **Achievement:** All features of the PPI system are functioning properly and developed using Laravel and MySQL.

### Freelancer at Citra Bersih Laundry

Android Developer (April—June 2023)

- Developed the laundry recording application, a system for recording and printing every transaction that occurs built using Android Studio, Kotlin, Room, and Firebase Realtime Database, implementing the MVVM (Model-View-ViewModel) architectural pattern.
- **Achievement:** The application runs smoothly according to the desired client needs, allowing the owner to save time in summarizing total revenue earned each month and year.

### Internship in the field of Human Capital Management (HCM) digitalization at Telkomsel

Software Development (August—December 2022)

- Assisted Telkomsel in developing the I-recruitment system, a system that helps Telkomsel manage every stage of the recruitment process for various job positions, fund allocation, and facilitates the recruitment process when employees resign.
- Defined each requirement from the users who will be involved in the I-recruitment system, created the user-flow of I-recruitment, and assisted in creating the I-recruitment prototype.
- Learnt about **Scrum**, the working framework utilized by Telkomsel in project development
- **Achievement:** Contributed in every development process of the HCM system field, gaining knowledge and experience as a software developer in the working world.

### Android Intermediate Facilitator at the Digital Talent Scholarship Pro Academy (DTS PROA) training program

Facilitator Android Developer (September—November 2022)

- Trained participants of DTS PROA in completing the intermediate Android class on Dicoding by answering questions in the discussion forum.

## Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka

Student at Mobile Development Path (February—June 2022)

- Learnt Android programming.
- Gained several soft skills including critical thinking, MVP planning, startup valuation and investment pitch.
- Learnt and practicing active English throughout the Bangkit Academy program.
- **Achievement:** Successfully completed the Bangkit program and finished the capstone project by creating an autism detection application for children with a team.

## Internet Programming Laboratory, Faculty of Computer Science, Sriwijaya University

Assistant Laboratory (August 2021—May 2022)

- Organizing activities and internet programming training at the Faculty of Computer Science.
- Assisting lecturers in developing a domestic helper search system and a decision support system for selecting the best teachers using the Simple Additive Weighting (SAW) method.
- **Achievement:** Successfully assisted lecturers in every teaching and research activity conducted.

## Sistem Informasi Festival Universitas Sriwijaya

Project Officer (August 2021—May 2022)

- Leading 122 committee to organize seminars and competitions with the theme of technology on a national scale
- Undertaking management functions from planning, organizing, implementation, monitoring, to evaluation of the implementation of the event
- **Achievement:** All the job descriptions of each division run smoothly and successfully attract more than 400 participants to participate in the SI FEST event.

## Project Software Development

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### Autism Detector for Children

Android Developer ( <https://github.com/rafiechautie/Autism-detector-for-children> )

- An application designed to proactively detect early signs of autism in

#### Key contribution:

- Orchestrated the development of the Android application using the Kotlin programming language, ensuring optimal performance and user-friendly interactions.
- Collaborated closely with cross-functional teams, including team from cloud technology and machine learning, to unify diverse components into a cohesive application.
- Leveraged Firebase to implement secure and efficient authentication mechanisms, enhancing the application's reliability and safeguarding user data.

### Laundry Application

Android Developer ( <https://github.com/rafiechautie/LaundryApp> )

- Creating an application to assist employee in Citra bersih Laundry to recording and printing every transaction that occurs

#### Key Contribution:

- Developed the application using the Kotlin, Room, and Firebase with MVVM Concept.

### Sistem Pendukung Keputusan Pemilihan Pengajar Pesantren

Web Developer ( <https://github.com/rafiechautie/spk-pemilihan-pengajar-pesantren> )

- Created an application that helps in selecting the best teachers at a pesantren using the SAW method.
- **Key Contribution**
- Developed the application using native PHP and utilized MySQL as the data storage.

### Personal Notes

React Developer ( <https://github.com/rafiechautie/personal-notes> )

- Created a simple Single Page Application using React.js that efficiently performs CRUD operations for notes

#### Key Contribution

- Utilizing React.JS to create the website.

### Server Semina

Backend Developer ( <https://github.com/rafiechautie/server-semina> )

- Developed an API with authentication and event booking functionalities using NodeJS, leveraging the Express.JS framework, and utilizing MongoDB as the data storage.

- Several available features include OTP-based email authentication, middleware implementation, distinct page access for various user roles such as admin, organizer, talent, and participant, CRUD operations for events, categories, orders, and users, etc.
- Conducted API testing in Postman.

## **EDUCATION**

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### **Sriwijaya University (2019 - 2023)**

Bachelor's degree in Computer Science - CGPA 3.82