

Ferdy Firmansyah

Full Stack Developer

✉ ferdyfirmansyah3026@gmail.com

☎ +62 895 4011 44676

🔗 www.linkedin.com/in/ferdyfrms

🔗 www.github.com/ApocalCrk

🔗 [Portfolio](#)

SUMMARY

I am a university student in Atma Jaya Yogyakarta University, as a student I have experience as Full Stack Developer with possessing skills in various frameworks including React, Next.js, Express.js, Django, Laravel, CodeIgniter, and Flutter. I also have a high interest in UI/UX design and the potential applications of Blockchain technology. Throughout my career journey, I have demonstrated the ability to excel in demanding environments, utilizing innovative and creative approaches to drive successful project outcomes. I am committed to contributing my technical expertise and creative insights to a dynamic and forward-thinking team, with aspirations to pursue a career in back-end or mobile development.

EDUCATION

Bachelor of Computer, Atma Jaya Yogyakarta University

2021 – Present

- GPA: 3.58 of 4.00
- Relevant Coursework: Programming Languages, Software Engineering, Computer Architecture & Organization

Software Engineering, Vocational High School Hasanah Pekanbaru

2018 – 2021

- Completed coursework in software development, including programming, web development, and database management.
- Actively participated and assisted with web programming extracurricular activities.

WORKING EXPERIENCES

Lecturer Assistant, Atma Jaya Yogyakarta University

February 2023 – July 2023

- Assisted in teaching basic programming to over 200 students across 4 classes.
- Guided and supported students in understanding the basics of C programming, providing individual assistance, and answering queries, thereby developing strong communication and interpersonal skills while effectively instructing a large group of students.
- Created instructional modules, pre-tests, exercises, and assignments to improve student knowledge/understanding and monitoring student progress.
- Evaluated and graded student submissions for the final course examination.

Full-Stack Developer, Mattcom Indonesia

January 2020 – May 2020

- Developed and maintained the Asosiasi Pengusaha Indonesia (APINDO) Riau website using Joomla and PHP.
- Collaborated closely with a team of developers to deliver high-quality software solutions on time.
- Implemented user feedback on the software function and UI/UX to improve the quality and performance of the software.

CERTIFICATION

Problem Solving (Intermediate)

2022

HackerRank

- This certification has main topic regarding Data Structures (such as HashMaps, Stacks and Queues) and Algorithms for optimal solutions.

Certificate of Competency

2021

PT Garuda Cyber Indonesia

- Explained Data Structures and analyzed user interface designs.
- Developed program diagrams and conducted script execution modeling.
- Identified tools necessary for program development and explained control methods.
- Utilized SQL for data description and applied basic algorithm techniques.
- Diagnosed program errors and identified platform requirements.
- Achieved a score of 98 out of 100.

Python (Basic)

2020

HackerRank

- This certification has main topic regarding Scalar Types, Operators and Control Flow, Strings, Collections and Iteration, Modularity, Objects and Types and Classes

BAKTI Backend Python

2020

Progate Indonesia

- Introduction to Python syntax and writing simple programs.
- Using loops for efficient data handling and iteration
- Creating functions and using modules for code organization and reuse.
- Implementing classes to develop a class-based ordering system.
- Exploring inheritance to extend and reuse class functionalities.
- Developing a complete ATM simulation to apply all learned concepts.

PROJECTS

Public Complaint Application

March 2021

- Built this project to fulfill requirement to obtain a competency certificate.
- Developed a public complaint application using the full-stack Laravel framework, with MySQL as the database.
- Designed the user interface with HTML, CSS, JavaScript, Bootstrap, and jQuery.
- Implemented backend logic for handling complaints, including data storage and retrieval.
- Ensured the application was user-friendly, secure, and efficient.
- Conducted testing and debugging to ensure optimal performance
- Completed the entire project within 8 hours on the same day.

[Source Code](#)

[Live Web](#)

Edu Green Indonesia

June 2021

- Collaborated with the client to gather requirements and specifications, ensuring a clear understanding of project needs.
- Created flowcharts, diagrams, and other necessary documentation to outline the project workflow and requirements.
- Built the website using the Laravel full-stack framework, with HTML, CSS, JavaScript, Bootstrap, and jQuery for the user interface design, and MySQL for the database.

[Source Code](#)

[Live Web](#)

Informatics Festival #10 Web

December 2021 – January 2022

- Designed and implemented the registration flow in the backend using the full-stack Laravel framework, with MySQL as the database management system.
- Utilized HTML, CSS, JavaScript, Bootstrap, and jQuery to develop a user-friendly registration system.

[Source Code](#)

[Live Web](#)

Informatics Festival #11 Web

December 2022 – January 2023

- Maintaining and updating the registration logic of the event registration dashboard from the previous Informatics Festival #10 web dashboard.
- Participated in developing the main web page, specifically the "Donor Darah" page, using Next.js and TypeScript, enhancing the site's performance and maintainability.

[Source Code Dashboard](#)

[Source Code Main Web](#)

[Live Web](#)

E Perlib

October 2023 – December 2023

- Developed as part of the "Web Programming" coursework.
- Designed and built a web application for Universitas Atma Jaya Yogyakarta (UAJY) students to streamline library resource management.
- Enhances the UAJY library experience by providing easy online access with a new additional function for library room reservation, book borrowing/renewal, and account management.
- Developed using the full-stack Laravel framework, with MySQL as the database.
- Designed the user interface with HTML, CSS, JavaScript, Bootstrap, and jQuery.
- Seamlessly integrates with UAJY APIs for effortless registration and login.

[Source Code](#)

[Live Web](#)

Gimme

October 2023 – December 2023

- Designed a mobile fitness app to help users discover nearby gyms, explore exercises, manage to-do lists, and track workout stats.
- Used Dart and Flutter for a smooth user interface, with Laravel and MySQL for backend and database functionality.
- Created an admin web app using Next.js and TypeScript for managing gym partnerships.

[Source Code Backend & Mobile](#)

[Base Design](#)

[Source Code Frontend](#)

[Live Web](#)

Siatma Mobile (Unofficial)

June 2023 – Present

- Developed an unofficial application to assist students of Universitas Atma Jaya Yogyakarta (UAJY) in viewing course schedules, grades, and other academic information, as well as facilitating online attendance.
- Used Dart programming language and Flutter framework for application development.
- Integrated with APIs from the SIATMA, SIKMA, KRS, and UAJY Academic Guidance websites.

- Implemented a backend API using Express.js to check the academic calendar and class schedules, enabling real-time push notifications.
- Managed the integration of MySQL and Firebase for database operations.
- Provided a reliable platform for accessing real-time academic information, improving the overall user experience.

[Source Code \(Private Access\)](#)

[Base Design](#)

[App](#)

Atma Kitchen Application

February 2024 – May 2024

- Developed as part of a "Software Development Project" coursework, Atma Kitchen is a multifaceted food ordering platform offering cakes, snacks, and beverages.
- Utilized Laravel framework for robust backend development, ensuring efficient data management and seamless user experience.
- Implemented MySQL database for streamlined data storage and retrieval, enhancing performance and scalability.
- Implemented Next.js for the web interface and Flutter framework for mobile application development, ensuring cross-platform compatibility and consistent user experience.
- Successfully completed initial development milestones including registration, login, core data management functionalities, ordering, notification, and other essential functionalities.
- Followed established development stages, including defining functionality, constructing an ERD (Entity-Relationship Diagram), and creating a comprehensive flowchart to guide the development process.
- Continuously involved in the ongoing implementation stage, refining features, and enhancing user experience based on feedback and emerging requirements.

[Source Code Backend](#)

[Source Code Frontend](#)

[Source Code Mobile](#)

Padukuhan Ngasem

Juni 2024 – July 2024

- Developed as part of a Community Service Program (KKN), serves as a digital platform for the community, providing information, services, and announcements to the residents.
- Utilized the Next.js framework for building a dynamic and responsive web interface, ensuring smooth user interaction and an optimized browsing experience.
- Integrated Firebase for backend services, including real-time database management, authentication, and hosting, which enhanced the website's performance and scalability.

[Source Code](#)

[Live Web](#)

ORGANIZATION EXPERIENCES

Community Service Program

Universitas Atma Jaya Yogyakarta

Group Leader of KKN Program

July 2024 – August 2024

- Spearheaded the planning and execution of diverse community programs spanning health, technology, economic empowerment, social welfare, and education.
- Oversaw initiatives such as health promotion through sports activities, waste management training, digital marketing workshops for local businesses, community clean-up drives, and educational support programs for children.
- Coordinated with various stakeholders, including local government officials, community members, and fellow KKN participants, to ensure successful program implementation and community engagement.

Academic and Achievement

Himpunan Mahasiswa Informatika Universitas Atma Jaya Yogyakarta

Vice Coordinator of Academic and Achievement Division

October 2022 – September 2023

- Led a team to organize various academic events, such as midterm (UTS) and final exam (UAS) tutorial programs and community service programs.
- Assisting division members in effectively communicating with each other and collaboratively finding solutions to the tasks they are responsible for.
- Offering valuable input and strategic guidance for the executed work programs, leading to positive outcomes as evidenced by the evaluation forms completed by participants post-event.

Member of Academic and Achievement Division

September 2021 – October 2022

- Managed and executed midterm (UTS) and final exam (UAS) tutorial programs, identifying, and recruiting mentors with expertise in specific courses to mentoring student before exam.
- As the host, i ensured the smoothness of tutorial sessions, enhancing student understanding and performance in difficult subjects.
- Actively participated in internal programs and supported initiatives from other divisions.

Informatics Festival

Himpunan Mahasiswa Informatika Universitas Atma Jaya Yogyakarta

Member of Information Systems Division, Informatics Festival #11

December 2022 – May 2023

- Served as a web developer in the Information Systems division, responsible for creating the registration dashboard and main website.
- Ensured the system's functionality, efficiency, and reliability, contributing to the successful management of event registrations.
- Demonstrated strong teamwork and communication skills to effectively coordinate tasks and meet project deadlines.
- Collaborated with the main website development team to ensure seamless integration and consistency.

Member of Information Systems Division, Informatics Festival #10

December 2021 – May 2022

- Served as a web developer in the Information Systems division, responsible for creating the registration dashboard and main website.
- Ensured the system's functionality, efficiency, and reliability, contributing to the successful management of event registrations.

- Demonstrated strong teamwork and communication skills to effectively coordinate tasks and meet project deadlines.

LANGUAGES

Indonesia (Native)

English (Intermediate)

SKILLS

Programming Language: JavaScript, C, Dart, Python, Java, PHP, TypeScript, C++

Markup Language: HTML

Style Sheet Language: CSS, Sass

Framework: CodeIgniter, Laravel, Django, Flutter, React, Next.js, Express.js

Database: MySQL, PostgreSQL, SQLite, Firebase, MongoDB

Tools: Bash, Git, Docker