RIZQI ADITYA PRATAMA

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I am a 4th-semester student at Semarang State Polytechnic, majoring in D3 Informatics Engineering, with a current GPA of 3.64/4.00. I have a strong interest in web development. I am a fast learner with a proactive attitude and enjoy solving problems through logical thinking and creativity.

Education Level

Semarang State Polytechnic - Semarang   *Sep 2023 – Present*

Associate of Informatic Engineering, 3.64/4.00

- Courses: Internet of Things, Cybersecurity, Artificial Intelligence, Database Programming, Framework-Based Web Programming, Multimedia systems, and Game Programming

Organisational Experience

HECTION - Semarang   *Dec 2023 - Mar 2024*

Sie Newscast

An online English competition held by UKM PECC featuring categories such as Debate, Writing, Newscast, Speech, and Storytelling.

- Operated and managed Google Meet during the technical rehearsal to ensure smooth coordination.
- Acted as competition operator on the event day, handling the flow of the event using OBS (Open Broadcaster Software).
- Ensured seamless transitions and timing during the competition rounds.
- Collaborated with the organizing team to maintain technical stability throughout the event.

Scholarship and Study Extension Workshop 2024 - Semarang   *Feb 2024 - Mar 2024*

Sie Operator

A workshop focused on providing information and guidance about international scholarships and opportunities for study abroad in 2024.

- Operated and managed visual equipment including projector and sound system during the event.
- Handled microphone distribution to speakers and participants.
- Ensured all audiovisual components ran smoothly throughout the workshop.

Project Assignment

JUSTIPIN - MODERN CONSIGNMENT SERVICE APPLICATION

Justipin is a personal shopper app that makes transactions secure, simple, and transparent for students and the general public. With assured payment features, multi-orders, and service transparency, Justipin provides a practical and efficient transaction experience.

- Flutter is used in mobile app development to create responsive user interfaces.
- For effective business logic and API Express, the backend was constructed using Laravel. Integration of JSON for quick and safe payments.
- Firebase for real-time alerts and user authentication.
- Using OSRM to optimize routes for more accurate travel time estimation.
- Prometheus and Grafana are utilized for real-time system monitoring.

ONLINE EXAM APPLICATION

This web-based tool for managing online exams includes admin and instructor capabilities, as well as real-time monitoring. As a Full Stack Developer, I am responsible for the application's frontend and backend functionality.

- Developed the scheduling module for a university's online exam system using Laravel, Inertia.js, and React.
- Handled both backend and frontend development, focusing on efficient scheduling workflows.
- Restructured and normalized an existing non-normalized database, improving data integrity and system reliability.
- Implemented role-based access control (RBAC) to manage admin, instructor, and student permissions.
- Strengthened full-stack development skills, especially in scheduling logic and secure access handling.

Skill & Qualifications

- **Language**: Indonesia (native), English (Intermediate)
- **Soft Skills**: Teamwork, communication, problem-solving, creativity, and adaptability.
- **Hard Skills**: HTML, CSS, JavaScript (ES6), PHP & Laravel, React.js, MySQL, Oracle, Git & GitHub.
- **Certification**: Database Programming with SQL, Database Design

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