

Hafizh Alfian Syakur

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Profile

I am a fresh graduate with a Bachelor's degree in Computer Engineering from Telkom University. As a Backend Developer, I have experience in designing and implementing ERP-based information systems through a capstone project at Telkom University, where I successfully developed an efficient ERP-based material management platform. I have built 73 RESTful APIs using Node.js and managed modular backend logic, including authentication and ERP module integration. Additionally, I have skills in database management with Microsoft Azure and MySQL. My experience also includes close collaboration with frontend teams to integrate user interface elements, ensuring smooth communication between frontend and backend. Moreover, I possess data analysis skills from an internship at BRIN, and I have been involved in computer networks and cloud computing fields.

Experience

Backend Developer

Final Project Capstone Design

Telkom University

November 2023 – August 2024

- **Designed and implemented an ERP-based information system**
Developed Hyperial, an ERP-based material management platform that helps companies manage inventory efficiently and optimally. The system applies ERP modules to enhance workflow automation and inventory management.
- **Built RESTful APIs with Node.js**
Designed and developed 73 RESTful APIs that support the application's core business logic. Achieved an 87% success rate in request processing, focusing on reliability and fast response times.
- **Developed Server-Side Logic**
Created and implemented robust and modular backend logic to manage the application's business functions, including authentication, inventory management, and ERP module integration.
- **Integrated Frontend Elements into Backend**
Collaborated with frontend developers to seamlessly integrate user interface elements into the application, ensuring efficient communication between frontend and backend.
- **Managed and Maintained Databases**
Designed and managed databases using Microsoft Azure Database Server, while maintaining optimal data structure in MySQL WorkBench to ensure data integrity and security.

Data Analyst

Internship

BRIN Samaun Samadikun

June 2023 – October 2023

- **Conducted research on diarrhea in West Java**
Analyzed various factors contributing to high diarrhea cases in West Java, comparing Indramayu and Bandung.

- **Collected Data and Conducted Predictive Analysis using Excel**
Performed data analysis and assisted in creating clear and informative data visualizations in graphical form.
- **Participated in BRIN activities for Herbarium socialization at MAN Purwakarta**
Introduced Herbarium located in Kalimantan and participated in various events during the socialization.
- **Published a scientific journal and participated in the Indonesia Investor Day competition**
Won a Silver Medal at INNOPA with the research titled "The Use of Artificial Neural Networks Integrated with Environment and Climate Parameters for Diarrhea Cases Projection in West Java."

Lab Assistant at EvConn (Everything Connected)
Fakultas Teknik Elektro

Universitas Telkom
February 2023 – December 2023

- **Assistant for Computer Networks and Cloud Computing Practicum**
Served as a lab assistant for two semesters, providing technical guidance to students in understanding and applying concepts of computer networks and cloud computing. Actively taught practical modules, ensured smooth lab operations, and addressed students' technical questions.
- **Admin of EvConn Lab**
Responsible for managing and developing EvConn Lab's social media accounts, including Instagram and the official Line account. Created engaging and informative content to increase social media engagement and enhance the lab's reputation among students.
- **Study Group on "Introduction to Mikrotik"**
Participated in a two-month intensive program focused on the introduction and understanding of Mikrotik networking devices, organized by EvConn Lab.

Member of the Student Welfare Department
Telkom University
Himpunan Mahasiswa Teknik Komputer

Universitas Telkom
August 2022 – June 2023

- **Secretary of the Student Welfare Department**
Responsible for drafting official documents such as event proposals, invitation letters, and meeting minutes. Ensured smooth administrative communication during each event and supported coordination among department members.
 - **Chairperson of GREECE (Greetings with Computer Engineering)**
Led the organization of the welcoming event for new Computer Engineering students in 2023. Managed the event from planning to execution, including coordinating the committee team, overseeing logistics, and maintaining clear communication with participants and faculty.
 - **Secretary of the Graduation Parade and Welcoming Party**
In charge of drafting and managing administrative documents related to the graduation parade and new student welcoming event. Responsible for taking meeting minutes and supporting operational activities and technical preparations on-site.
 - **Public Relations Officer for Centurion**
Served as a communication liaison between the Centurion organization and event participants. Maintained good relations with external parties, provided clear information, and ensured effective communication channels between the organizers and participants.
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Education

Universitas Telkom, Bandung – Teknik Komputer

2020 – 2024 | GPA : 3.3

Skills

Programming Language :

- Java
- Python
- C
- HTML
- CSS
- JavaScript
- TypeScript

Frameworks :

- Node JS
- Express JS
- React JS
- Vite JS
- Next JS

Databases :

- MySQL
- MongoDB

Soft Skills :

- **Communication:** My ability to communicate effectively helps backend developers collaborate with team members.
 - **Problem-Solving:** My strong problem-solving skills enable developers to quickly identify and address code issues, ensuring project success and efficiency.
 - **Adaptability:** The technology landscape evolves rapidly; therefore, it's crucial for backend developers to stay up-to-date with new tools, languages, and frameworks.
 - **Teamwork:** Backend developers often collaborate with frontend developers, designers, product managers, and other stakeholders during the project lifecycle.
 - **Creativity:** Creative thinking enables developers to find innovative solutions and enhance application functionality, improving the user experience.
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