

Fakhri Azra Shafara

Computer Science Graduate

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SUMMARY

I am a fresh graduate in computer engineering with strong communication and critical thinking skills, excelling in both team and independent settings. My passion lies in web and application development, and I am committed to staying current with tech advancements. I thrive in high-pressure environments and am eager to contribute my skills and adaptability to the industry.

KEY ACHIEVEMENTS

Smart Farming Efficiency

Built smart farming hardware, boosting efficiency by 30%.

Most Dedicated Mentee in Stechoq Independent Study MSIB Batch 4

Led development of downtime notification website that achieved 15% alert reduction, recognized for exceptional dedication and technical excellence in final project implementation.

Project Team Leader

Led development team to create project management system, completing all milestones within 5-month timeline and ensuring efficient project delivery.

Project Management Website

Developed project management website, reducing planning time by 20%.

IoT Module Development

Completed 12 IoT modules for agriculture, increasing productivity by 25%.

EXPERIENCE

Hardware Engineer Intern

IoTanic

📅 02/2024 - 04/2024 📍 Surakarta, Indonesia

Internship focused on IoT agricultural technology and machine learning

- Development of hardware to support smart agriculture applications using machine learning and IoT
- Learning for Hardware Development and IoT
- Hardware Development for Smart Farming
- Performance Enhancement of Soil Station

Software Engineer Mentee and Intern

Stechoq robotika

📅 02/2023 - 12/2023 📍 Yogyakarta, Indonesia

Internship and mentorship in software engineering and startup business

- Learning about creating business startup as software engineering.
- Learning by doing end project for manufacturing industry.
- Learning by collaboration with friends from other university.
- Software Engineer Intern, building project management visualization websites, learning about business and hardware based on seminars and workshops
- Build Website for Project Management Visualization.
- Learning about business startup on seminars.
- Learning about hardware and AI on seminars.

Project Manager

Stechoq robotika

📅 08/2023 - 12/2023 📍 Yogyakarta, Indonesia

Internship in software engineering and startup business

- Led a cross-functional team in successfully delivering a comprehensive project management website, ensuring on-time completion and quality deliverables
- Established clear communication channels and project tracking systems, achieving 100% milestone completion rate within the 5-month timeline

EDUCATION

Associate Degree in Computer Science

Universitas Sebelas Maret

08/2021 - 08/2024 Indonesia

STRENGTHS

Communication and Critical Thinking

Strong communication and critical thinking skills, excelling in both team and independent settings.

Adaptability

Ability to thrive in high-pressure environments.

PROJECTS

College Assignment

01/2022 - 12/2022

Development of web applications and software as part of the study program

- Created a prototype of a web-based train ticket booking system.
- Developed admin features and user access management using Laravel.
- Created a simple FPS game using Unity and C#.
- Developed a desktop application for clinic management using Java and Eclipse IDE.

Notifications Downtime Machine

02/2023 - 06/2023

Development of the Notification Downtime Machine and Call Leader Website with Vue JS and Express JS

- Utilized WhatsApp for alert notifications and gained insights into building business opportunities from the project.
- Enhanced system uptime and minimized downtime by improving proactive monitoring and alert systems.

Projects Management Visualization

08/2023 - 12/2023

Development of a Project Management Visualization Website to manage 30+ research projects with Vue JS

- Designed and built a Project Management Visualization Website capable of handling and tracking 30+ research projects simultaneously.
- Streamlined project tracking and reporting processes, reducing manual workload by 50% for research teams.
- Successfully implemented an intuitive user interface that improved team collaboration and efficiency.
- Delivered the platform on time and within budget, meeting the needs of diverse stakeholders.

Development of Soil Station 2.0 for Smart Farming

02/2024 - 07/2024

Designed and implemented an IoT-based hardware system, Soil Station 2.0 with Raspberry Pi and Python

- Achieved 90% accuracy in soil condition monitoring.
- Reduced water and fertilizer usage by 25% through precision agriculture practices.
- Increased efficiency in resource utilization, benefiting farmers in rural and remote areas.
- Enhanced decision-making processes for smart farming, supporting sustainable agricultural practices.

Vehicle Data Management Application

11/2024 - 11/2024

Development of a .NET API Project for Vehicle Data Management with Frontend in Vanilla JS, HTML, and CSS

- Created a full-stack CRUD application for vehicle data management using C# .NET 8 and Visual Studio 2022.
- Leveraged AI-generated code to build the application while gaining a deep understanding of its workflow and architecture.
- Focused on learning and analyzing the development process, including backend API creation, database integration, and frontend implementation.

PASSIONS

Junior Programmer

Junior Software Developer

Frontend Developer

Backend Developer

Junior Software Engineer

Software Maintenance

VOLUNTEERING

Training Assistant

Applied Informatics Research Group

08/2024 - 08/2024

Served as a Training Assistant for the "Digital Education Transformation at SMAN 1 Surakarta" program, focusing on teacher empowerment through E-Learning. This initiative was organized by the Applied Informatics Research Group of D3 Teknik Informatika Sekolah Vokasi UNS, where I helped facilitate and support the implementation of digital learning tools for high school teachers.

Head of Division: Advocacy and Student Welfare (Adkesma)

Entitas Mahasiswa D3 Teknik Informatika 2023

04/2023 - 01/2024

Leading the Student Welfare Division, I organized and executed open dialogue events between students and faculty leadership, including the dean and study program heads. These events served as platforms for students to voice their aspirations, concerns, and suggestions regarding their academic well-being and overall campus experience.

Staff of Division: Event

Rakernas Permikomnas 2022

10/2022 - 10/2022

Served as a key member of the event organizing committee for the National Working Meeting (Rakernas) of PERMIKOMNAS, where I managed event scheduling, coordinated preparation activities, and acted as the master of ceremonies during the main event.

Staff of Division: Co-Fasilitator

PKKMB Sekolah Vokasi 2022

06/2022 - 08/2022

Worked as a co-facilitator for the New Student Orientation Program (PKKMB), where I managed the organization and distribution of new student data across various orientation groups, ensuring efficient group formation and smooth program implementation.

Staff of Division: Public Policy Analysis

Badan Eksekutif Mahasiswa Sekolah Vokasi 2022

02/2022 - 12/2022

As a staff member in the Public Policy Analysis division, I was responsible for analyzing strategic issues and creating content for various webinars. My role involved researching and developing materials that addressed current policy matters affecting the student body.

MEMBER

Society of Renewable Energy UNS

02/2022 - 07/2022

I actively engage in spreading and promoting knowledge about renewable energy and addressing climate crisis issues alongside fellow members. Additionally, I contribute by volunteering as part of the organizing committee for seminars, fostering meaningful discussions and awareness on these critical topics.

CERTIFICATION

CERTIFICATE OF COMPETENCE (BNSP) Junior Web Programmer

MikroTik Certified Network Associate

LANGUAGES

Indonesia
Native



Jawa
Native



English
Intermediate

