

# SYAHRUL BHUDI FERDIANSYAH

Gresik, Indonesia | [syahrul4w@gmail.com](mailto:syahrul4w@gmail.com) | +62 857 5556 6422 | [github.com/SyahrulBhudiF](https://github.com/SyahrulBhudiF) | [in/syahrulbhudif/](https://in/syahrulbhudif/) | [ryuko.my.id](https://ryuko.my.id)

As an Informatics Engineering student at Politeknik Negeri Malang, I am passionate about advancing my career in Full-Stack Development. With a solid foundation in both frontend and backend technologies, I have hands-on experience working with JavaScript frameworks such as Next.js and SvelteKit with TypeScript, as well as backend development using Laravel and Golang. I am quick to learn new concepts and adapt to complex projects, enabling me to deliver effective, innovative solutions. Driven by a commitment to continuous growth, I am eager to contribute my skills in a collaborative, forward-thinking environment where I can make meaningful contributions to team goals and further develop my technical expertise.

## Work Experiences

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### PT Sthira Teknik Indonesia - Freelance

Jul 2024 – Dec 2024

Fullstack Developer

- Developed a comprehensive web platform to streamline the registration, management, payment processing, and administration of training sessions and seminars for healthcare professionals at RSUD Prambanan, Yogyakarta. This platform improves operational efficiency, simplifies participant management, and supports seamless administration for the hospital's professional development initiatives.

### Workshop Riset Informatika - Malang, Indonesia

Oct 2023 - Present

Web Developer Mentor

- Embarked on a new and exciting journey as a mentor in the field of website development, guide 100+ mentee and inspire the next generation of web developers.
- Entrusted with the responsibility of guiding aspiring web developers, providing them with support, insights, and encouragement to help them succeed in their educational and professional pursuits.

## Projects

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### Vexora - Politeknik Negeri Malang

Aug 2024 – Dec 2024

Backend Developer & Machine Learning Engineer

- Vexora is a mood-based music recommendation system that uses facial emotion detection to suggest personalized music playlists. The system leverages CNN for emotion detection and K-means clustering for music matching.

**TechStack** : Flutter, Fiber Golang, Python, PostgreSQL, Redis, Docker, CNN, Tensorflow

### Web Training Healthcare Professionals - PT Sthira Teknik Indonesia

Jul 2024 – Dec 2024

Fullstack Developer

- Developed a web platform for registration, management, and administration of training and seminars for healthcare professionals at RSUD Prambanan, Yogyakarta.

**TechStack** : Laravel, ReactJs, Inertia, TypeScript, MySQL, TailwindCSS

### Siwarga13 - Politeknik Negeri Malang

Feb 2024 – Jun 2024

Fullstack Developer

- Developed a web-based Rukun Warga Administration application to learn more about the activities, benefits, and purposes as well as the importance of administration at RW.

**TechStack** : Laravel, MySQLI, TailwindCSS

### SaaS Kantin JTI - Politeknik Negeri Malang

Aug 2023 – Des 2023

Frontend Developer

- Kantin Transaction App is a Software as a Service (SaaS) platform designed to streamline transactions and operations for cafeteria businesses. It simplifies transaction recording, stock management, menu organization, and financial reporting, making daily operations more efficient and well-organized.

**TechStack** : PHP, MySQLI, TailwindCSS

### Aduan Polinema - Politeknik Negeri Malang

Oct 2023 – Des 2023

Frontend Developer

- Web Aduan Polinema is a digital platform designed to facilitate students in reporting issues related to campus facilities, tuition fees, and academic policies. Through this platform, students can submit complaints, suggestions, or feedback transparently and systematically, helping Polinema continuously improve the quality of services and the academic environment.

**TechStack** : SvelteKit, TypeScript, MySQL, TailwindCSS

## Education Level

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### Politeknik Negeri Malang - Malang, Indonesia

Aug 2022 - Jul 2026 (Expected)

Bachelor Degree in Informatics Engineering 3.79/4.00

- KIPK outstanding students and education affirmation at State Polytechnic of Malang 2023
- Develop knowledge of critical thinking and problem solving

## Organisational Experience

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### Workshop Riset Informatika - Malang, Indonesia

Feb 2024 - Present

*Head of Web Developer Division*

- Led the Web Developer Division at Workshop Riset Informatika, overseeing strategic planning, resource allocation, and the successful execution of a web development miniclass. Managed a team of skilled professionals to ensure high-quality outcomes and project success.

## Certificates & Courses

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- **Implement Load Balancing on Compute Engine Skill Badge** | Google (Sep 2024)
- **Google Cloud Computing Foundations: Cloud Computing Fundamental** | Google (Mar 2024)
- **Google Cloud Computing Foundations: Infrastructure in Google Cloud** | Google (Sep 2024)

## Skills

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- **Soft Skills:** Problem Solving, Integrity, Team Working, Multitasking, Adaptability, Communication
- **Development:** Experienced in building applications using Next.js and SvelteKit with TypeScript, as well as backend development like Laravel and Golang.
- **Database Management:** Skilled in MySQL and PostgreSQL for creating, managing, and optimizing relational databases to support application requirements.
- **Containerization:** Familiar with Docker for simple containerization tasks and creating isolated environments.
- **Version Control:** Experienced with Git for version control and collaborative workflow management in development projects.