SYAHRUL BHUDI FERDIANSYAH

Gresik, Indonesia | syahrul4w@gmail.com | +62 857 5556 6422 | github.com/SyahrulBhudiF | in/syahrulbhudif/ | 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

PT Sinergi Informatika Semen Indonesia - **Internship**   Feb 2025 – Present
Fullstack Developer – Jakarta Selatan, Indonesia

- Designed and implemented a robust backend architecture with an emphasis on clean, reusable, and scalable code and refactored legacy code to improve maintainability and performance.
- Redesigned the database schema for better performance, scalability, and adherence to best data management practices, and implemented a dynamic role-based access control (RBAC) system to enhance security and user flexibility.
- Integrated Nextcloud for secure, scalable cloud-based document storage, optimized database queries for faster data retrieval, and improved overall system efficiency.

Oranji - **Part Time**   Sep 2024 – Present
Software Developer – Malang, Indonesia

- Developed efficient code and acted as a system analyst to align user requirements with technical solutions.
- Analyzed user requirements and translated them into software specifications and database designs.
- Led the development team, coordinating tasks and ensuring smooth execution of processes.
- Implemented CI/CD with GitHub Actions, set up a Docker-based production environment, and optimized servers with Nginx and FrankenPHP.

PT Sthira Teknik Indonesia - **Freelance**   Jul 2024 – Dec 2024
Fullstack Developer – Yogyakarta, Indonesia

- 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 - **Part Time**   Oct 2023 - Present
Web Developer Mentor – Malang, Indonesia

- 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

Gu Ru Studios Carya Course - **Oranji**   Jan 2025 – Maret 2025
Backend Developer & System Analyst

- Gu-ru Studios Carya Course is a digital platform to facilitate buyers in purchasing courses, and sellers in selling courses. Through this platform, buyers can buy courses, and sellers can sell courses transparently and systematically, helping Gu-ru Studios continuously improve the quality of services and the academic environment.

TechStack : Laravel, ReactJs, Inertia, TypeScript, MySQL, TailwindCSS, Nginx, FrankenPHP

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 administation at RW.

TechStack : Laravel, MySQL, 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, MySQL, 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

Politeknik Negeri Malang - Malang, Indonesia | Aug 2022 - Jul 2026 (Expected)
Bachelor Degree in Informatics Engineering 3.80/4.00

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

Organisational Experience

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

- **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

- **Soft Skills**: Problem Solving, Integrity, Team Working, Multitasking, Adaptability, Comunication
- **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.