Fariz Putra Hanggara

in LinkedIn | +62 812-1033-1898 | M farizputrahanggara@gmail.com | GitHub

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ABOUT ME

As a final-year Information Systems and Technology student at ITB with hands-on experience in software engineering, I possess strong analytical, problem-solving, and communication skills. Driven by a passion for technology, I have honed my expertise in software development through academic projects and professional experience. Currently, I am focused on advancing my career in the technology industry by leveraging my technical knowledge and contributing to impactful projects as a software engineer.

EDUCATION

Institut Teknologi Bandung (ITB) | Information Systems and Technology   *Aug 2021 - (expected) Aug 2025*

Area of Interest: Software Engineer

Related Coursework: Algorithm and Data Structures | Object Oriented Programming | Software Engineering | Database Management | Mobile Development |

WORKING EXPERIENCE

Backend Engineer Intern | Sinergi Merah Putih   *May 2025 - Present*
- Configured and optimized backend authentication using LDAP, streamlining access control for over 500 internal users and reducing login-related errors by 40%.
- Built a Role-Based Management (RBM) system leveraging **Google Cloud** and **ProxySQL** to enable dashboard broadcasting, improving data distribution efficiency by 60% across departments.
- Provided on-call production support, resolving critical bugs with an average response time under 10 minutes, leading to a 25% reduction in system downtime incidents.

Software Engineer Freelance   *Apr 2024 - Present*
- Collaborated closely with clients to gather requirements and translate business needs into technical solutions, successfully delivering 3+ end-to-end projects tailored to client objectives.
- Worked in a cross-functional team alongside UI/UX designers and system analysts to align development with user experience and system architecture standards.
- Successfully delivered projects with 100% on-time completion rate, achieving a 90% client satisfaction score based on post-project feedback and reducing client revision requests by 40%.

Software Engineer Intern | Damaresa Group   *Oct 2024 - Jan 2025*
- Developed a fully responsive website from scratch using **Flutter**, leveraging **Firebase** for real-time backend integration and data management to optimize user experience.
- Improved the responsiveness of the user interface by analyzing performance bottlenecks, resulting in a 30% faster load time across multiple device types, including mobile, tablet, and desktop.
- Designed and implemented adaptive layouts and scalable UI components, ensuring seamless compatibility with over 95% of screen resolutions, enhancing accessibility for a diverse user base.
- Collaborated with a cross-functional team of 4 members, including designers and project managers, to align the development process with business goals, successfully delivering the project within the allocated 3-month timeline.

Software Engineer Intern | Krakatau IT   *Jun 2024 - Aug 2024*
- Led the design and development of an enterprise-level procurement management system application, streamlining internal processes and improving efficiency for the organization.
- Engineered and deployed a robust user interface with **React Native** and a **Python** backend, achieving seamless integration and real-time data synchronization with **Firebase**.
- Drove efficiency improvements across the procurement lifecycle by automating workflows and processes, which contributed to a 20% improvement in operational productivity.
- Conducted comprehensive testing and debugging, reducing post-deployment bugs by 15% and ensuring a reliable and user-friendly application.

PROJECT

- **LoakNow:** Developed a mobile application for an e-commerce platform focused on secondhand products using **React Native**, **Firebase**, enabling users to buy and sell items seamlessly. **(06/2024)**
- **SpotPark:** Created an online parking management system website using **Next.js**, **Firebase**, optimizing parking space usage and streamlining reservation processes. Link to Website **(06/2024)**
- **Smart Dormitory:** Developed a website for dormitory management with **Next.js**, **MongoDB**, streamlining tasks such as room allocation, payment processing, and resident communication. Link to Website **(12/2023)**
- **Patient Queue Management System:** Designed and implemented a system to manage patient queues at hospitals with **Next.js**, **Supabase**, enhancing operational efficiency and patient satisfaction. Link to Website **(11/2023)**

SKILLS

- **Programming Languages**: JavaScript, TypeScript, Python, Java, C, Go, PHP
- **Frameworks & Libraries:** React, React Native, Next.js, Flutter, Node.js, Laravel, Flask, FastAPI, Tailwind CSS, Pytorch, NumPy, Pandas
- **Databases:** MySQL, PostgreSQL, MongoDB, NoSQL, Firebase, Supabase
- **Tools & Technologies:** Git, Docker
- **Development Areas:** Mobile Development, Frontend Development, Backend Development, Full-Stack Development
- **Languages:** English (Professional Proficiency), Bahasa Indonesia (Native)