

MUHAMMAD FAHMI SYAHPUTRA

Informatics Engineering

muhammadfahmisyahputra07@gmail.com • +62 (818) 265-659 • linkedin.com/in/fahmi-syahputra

PROFESSIONAL EXPERIENCE

IT & DESIGN INTERN

IT Intern - IT & Design (ITD) Division at PT. PLN Nusantara Power

PT. PLN Nusantara Power

June - September 2025

- Designed and implemented a centralized Master Data Management (MDM) dashboard using Python Streamlit, improving visibility and governance of power generation asset data.
- Engineered a Node.js middleware to aggregate data from IBM Maximo endpoints via WSO2 API Manager, ensuring seamless integration between EAM systems.
- Developed dashboard features including Role-Based Access Control (RBAC), interactive data grids, and approval workflows to streamline data operations.
- Analyzed enterprise system architectures (Maximo & Ellipse ERP) to solve data consistency challenges.

CHIEF TECHNOLOGY OFFICER

Chief Technology Officer (CTO)

PT. Tuladha Parenting Consulting

2024 - Present

- Secured funding from the Program Pembinaan Mahasiswa Wirausaha (P2MW) 2024 by Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi (Kemdikbudristek) Indonesia.
- Led the end-to-end development of tuladhaparenting.com digital services, ensuring a seamless and engaging user experience.
- Spearheaded the development of key features, including parenting insights, expert consultation booking, and interactive learning modules.
- Worked closely with the team and stakeholders to integrate technology with business growth strategies.

HEAD OF IT DEVELOPMENT HMTC ITS

Head of IT Development

Himpunan Mahasiswa Teknik Computer-Informatika ITS

2025

- Lead the entire IT development division, which includes managing UI/UX teams, Frontend teams, and Backend teams.
- Led the development of web projects using the latest tech-stack (Next.js, TypeScript, and Tailwind CSS for Front-End, and Golang for Backend) to ensure performance and scalability.
- Focused on strategic planning, resource allocation, and aligning technical goals with organizational needs.

Person in Charge (PIC) Website Developer Team

2024

- Served as Person In Charge (PIC) of the Website Development Team, ensuring smooth collaboration and efficient task delegation.
- Led the development of web projects using Next.js, TypeScript, and Tailwind CSS, enhancing performance and scalability.
- Coordinated with stakeholders to align technical implementations with organizational needs.

WEBSITE DEVELOPER

Website Developer BEM ITS

Kementerian Ekonomi Kreatif BEM ITS 2023/2024

2023-2024

- Managed and maintained itspreneur.com, a CMS-based website for the Ministry of Creative Economy, BEM ITS 2023/2024.
- Designed and optimized website features, including profiles, work programs, directorates, entrepreneurship database, event schedules, media partners, documentation, and feedback forms.
- Enhanced user experience by ensuring website accessibility and functionality for HMD and BEM Faculty members.
- Collaborated with cross-functional teams to align website content with organizational objectives.

TEACHING EXPERIENCES

TEACHING ASSISTANT WEB PROGRAMMING

TA on Web Programming Lecture

Teknik Informatika ITS

August - December 2025

- Mentored undergraduate students in mastering fundamental to advanced web development concepts, focusing on frontend and backend integration.
- Conducted practical quiz and exam projects, and evaluated student final projects, providing constructive feedback on code structure, responsiveness, and best practices.

TEACHING ASSISTANT DESIGN AND ANALYSIS OF ALGORITHM

TA on Design and Analysis of Algorithm Lecture

Teknik Informatika ITS

February - June 2025

- Assisted students in solving algorithmic problems on complex algorithmic topics, including Time Complexity Analysis (Big O), Graph Theory, and Dynamic Programming.
- Reviewed and Graded assignments project and exams, ensuring objective assessment of student's analytical and problem-solving skills.

EDUCATION

INSTITUT TEKNOLOGI SEPULUH NOPEMBER (ITS)

Informatics Engineering

Surabaya

GPA 3.67 (as of 7th semester)

2022-Present

ADDITIONAL INFORMATION

- Technical Skills: Javascript/TypeScript (Next.js, [React.js](#)), Node.js, Tailwind CSS, Python, GitHub, WSO2 API Manager, IBM Maximo, Figma, Trello, WordPress CMS, Microsoft Word, Microsoft Excel.
- Concepts: REST API Integration, IT Governance, Master Data Management (MDM), Agile/Scrum.
- Business & Leadership Skills: Project Management, Entrepreneurship, Start-up Development.
- Soft Skills: Team Leadership, Problem-Solving, Critical Thinking, Effective Communication.