

# MUHAMMAD FAHMI SYAHPUTRA

## Informatics Engineering

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### PROFESSIONAL EXPERIENCE

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#### IT & DESIGN INTERN

PT. PLN Nusantara Power

##### IT Intern - IT & Design (ITD) Division at 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

PT. Tuladha Parenting Consulting

##### Chief Technology Officer (CTO)

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

Himpunan Mahasiswa Teknik Computer-Informatika ITS

##### Head of IT Development

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

Kementerian Ekonomi Kreatif BEM ITS 2023/2024

### Website Developer BEM ITS

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

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### TEACHING ASSISTANT WEB PROGRAMMING

Teknik Informatika ITS

#### TA on Web Programming Lecture

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

Teknik Informatika ITS

#### TA on Design and Analysis of Algorithm Lecture

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

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### INSTITUT TEKNOLOGI SEPULUH NOPEMBER (ITS)

Surabaya

*Informatics Engineering*

2022-Present

*GPA 3.67 (as of 7th semester)*

## ADDITIONAL INFORMATION

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- 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.