



Rafsanjani Hafidh Firmansyah

IT Infrastructure Specialist | IoT Enthusiast | Network & System Administrator

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Domicile : Kebon Jeruk, Jakarta Barat

Experience

PT. Terretech Nusantara - *Subsidiary PT Solarion Energi Alam*

IT Infrastructure Specialist

Agt 2020 – Current

- Led the development of system architecture and design for wearable/IoT devices (smartwatch) focused on sleep monitoring in mining environments, supporting operational Health, Safety, and Environment (HSE) compliance.
- Building IoT Architecture (Monitoring Solar PV System), managing development and production servers, Docker, Kubernetes scaling, IT security, and troubleshooting. Deployed Odoo CRM on-premises.
- Implemented IoT Network Infrastructure for remote Operation & Maintenance, server management, office network infrastructure with Mikrotik, Cloud VPS & NAS storage, PABX, CCTV, and more.

PT. Terretech Nusantara - *Subsidiary PT Solarion Energi Alam*

UI/UX & Graphic Designer

Sep 2019 – Sep-2021

- Developed UI/UX designs for internal application projects.
- Designed Graphics for Company Logo, Graphic Standard Manual (GSM) & other related graphic design needs.
- Edited videos, creating trailers and teasers for the AI Innovation Challenge.

PT. Cudo Communication

Nov 2018 – Jul 2019

Frontend Developer & IT Support

- Developed company profile websites for the company and its projects.
- Designed visual assets to enhance project branding and supported IT operations.

PT. KK Indonesia

Jul 2018 – Nov 2018

Graphic Designer

- Responsible for strategizing, creating, and managing content across various media platforms, ensuring alignment with brand identity and engagement with target audiences.
- Design and produce visual content including marketing materials, and digital graphics, ensuring a consistent and professional aesthetic across all media.
- Oversee and maintain company servers, manage server deployments, ensure system security, and handle troubleshooting for optimal server performance.

Radio Republik Indonesia (RRI)

Apr 2017 – Jun 2017

IT Support Technician (Internship)

- Edit event videos, producing high-quality content for promotional and archival purposes.

Education

Universitas Siber Asia

2022 – 2026

Bachelor of Informatics

CGPA: 3.74

SMK Negeri 59 Jakarta

2015 – 2018

Multimedia

Projects

PT. Terretech Nusantara

- Developed a smartwatch-based sleep monitoring system to support Health, Safety, and Environment (HSE) standards by ensuring workers meet optimal sleep duration requirements before performing operational tasks.
- Delivered cutting-edge security solutions for the Otoritas IKN at Ibu Kota Nusantara, ensuring secure and efficient data traffic management.
- Engineered a real-time monitoring dashboard system for IoT-driven Solar Panel PVs, optimizing performance and reliability & improved operational efficiency by 30% through real-time IoT monitoring systems.
- Designed and implemented a robust IoT architecture for seamless Solar Panel management, boosting operational efficiency.

- Developed a fully digital Approval Management System, revolutionizing office workflows and approval processes.
- Deployed a hybrid attendance system with online and offline fingerprint capabilities, enhancing flexibility and accuracy.
- Architected and deployed a complete network and server infrastructure, laying the foundation for smooth office operations.
- Crafted distinctive brand identities by designing logos for companies such as Solarion, Ananta Surya Kencana, GAEA, SmartXAcademy, KaPA, and more.

Skills/Expertise

Soft Skills:

- Analytical Problem Solving: Skilled in diagnosing and resolving complex issues in both software and hardware for IoT Monitoring Systems, ensuring optimal performance on platforms like Huawei and Sungrow.
- Implementation & Integration: Efficient in integrating third-party solutions, ensuring seamless system functionality, and quickly adapting to new technologies and frameworks.
- Leadership: Proven leadership in managing cross-functional teams, guiding projects from planning to execution, and fostering collaboration to achieve project goals.
- Organizational Skills: Experienced in organizing and leading meetings, ensuring clear communication and task delegation. Actively involved in coordinating large-scale projects and events, such as the IKN project, ensuring smooth execution and alignment with project goals.
- Clear and Concise Communication: Strong ability to convey technical concepts to both technical and non-technical stakeholders, ensuring alignment and understanding across all levels of a project.

Technical Skills:

- Network & Server Administrator: Ruijie Network, Mikrotik, Hybrid Server, Linux, Synology NAS.
- Programming Languages: HTML, CSS, PHP, Bootstrap, Laravel, JavaScript.
- Database Management: MySQL, PostgreSQL, MongoDB, SQL Server.
- UI/UX & Design Graphics: Figma, Adobe Creative.
- Collaborating Tools: Gitlab, GitHub, Bitbucket, Docker, Jenkins.

Languages:

- Bahasa Indonesia (Native Language)
- English (Passive)

Achievements

Best Coding Competition	Jun 2017
• Organized by the Department of Communication and Informatics	
1st Place Web Design Competition	Oct 2017
• Organized by the Ministry of Education and Culture Republic of Indonesia • Credential ID: 3462 / -088.62	
2nd Place Web Design Competition	Dec 2016
• Organized by the Ministry of Education and Culture Republic of Indonesia • Credential ID: 266 / -088.62	
1st Place Short Film Competition	Oct 2016
• Organized by the Ministry of Education and Culture Republic of Indonesia • Credential ID: 260 / -088.62	