



Muhammad Irfan Suherman

Front end Developer

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About Me :

I am a final-year Informatics Engineering student at Indraprasta PGRI University (GPA 3.52) with proven experience as a Frontend Web Developer at PT Bank Negara Indonesia (BNI) and a Freelance Full Stack Web Developer. I have developed scalable, responsive, and data-driven applications using React.js, Next.js, TailwindCSS, and native PHP, with backend experience in Laravel, ExpressJS, NuxtJS.

At BNI, I contributed to large-scale government digital projects, building microfrontend applications, integrating RESTful APIs, and delivering real-time dashboards with Next.js and React. As a freelancer, I developed systems including an Audit Management System for Bank Neo Commerce, an AI-powered recommendation dashboard, and multiple decision-support platforms.

I am passionate about creating impactful digital solutions, skilled in UI/UX development, API integration, and system optimization, and thrive in collaborative environments where problem-solving and adaptability are key.

Education :

Indraprasta PGRI University, East Jakarta

Bachelor's Degree in Informatics Engineering
2021 – 2025

GPA: 3.52

Work Experience :

Full Stack Web Developer

Remote

April 2025 - Present

Full Stack Developer:

- Developed an **Audit Management System** for Bank Neo Commerce in collaboration with PT Sekawan Media Informatika under Phase 1 of the project.
- Built the frontend using **React.js**, with state management using **Redux**, API integration via **Axios**, and date handling using **Moment.js**.
- Designed and implemented a **real-time skincare recommendation dashboard** to assist users in selecting suitable skincare products based on multiple criteria.
- Utilized **native PHP** for backend logic and **Tailwind CSS** with JavaScript for a responsive, user-friendly interface.
- Implemented dynamic admin features for managing criteria, alternatives, and real-time recommendation results.
- Developed a **web-based decision support system for school selection**, enabling users to evaluate schools based on weighted criteria.

- Employed **PHP** as the backend and **Bootstrap CSS** with JavaScript for the frontend, with dynamic scoring logic and interactive input forms.
- Created a **decision-making dashboard using the Analytical Hierarchy Process (AHP)** method to support multi-criteria evaluations.
- Integrated pairwise comparison features, automatic weight calculation, consistency checking, and structured recommendation reporting.
- Ensured all applications are responsive, lightweight, and optimized for both desktop and mobile devices.
- Used **Git** for version control and collaborated using remote tools.

Frontend Developer

PT Bank BNI Indonesia

juli 2024 –February 2025

Mobile Developer Role :

- Mobile-based frontend developer using alipay mini programming
- Database communication using Restful API
- Backend coding using mpaas.
- make rest api mockoon.
- create a public server using ngrok.
- check rest api results using postman
- Developed authentication mechanisms to enhance security.
- using the java spring boot backend for the server connection

Microfrontend Developer Role:

- *Develop and architecture microfrontend*
- *Use react js create isolate reusable ui components*
- *Integrated frontend modules with Single SPA microfrontend*
- *Coordinate microfrontend deployment*
- *Implement Responsive design use Tailwind CSS*
- Push code with gitlab

Full Stack Web Developer Intern

PT LX International

January 2024 – July 2024

- Participated in an intensive full-stack web development program equivalent to 20 university credits.
- Developed dynamic and interactive user interfaces using HTML, CSS, JavaScript, jQuery, and Ajax.
- Worked with Bootstrap and Bulma frameworks to create responsive designs.
- Implemented server-side scripting using Flask and Python.
- Managed flexible and scalable database solutions using MongoDB.
- Integrated APIs to connect various systems and services.
- Developed authentication mechanisms to enhance security.

Web Designer Intern

Freecodecamp

May 2021 – August 2021

- Created a product landing page and web portfolio.
- Enhanced understanding of HTML and CSS frameworks.
- Practiced responsive web design for various screen sizes.

IT Support Intern

Badan Pembinaan Hukum Nasional

September 2018 – November 2018

- Installed and maintained Windows operating systems.
- Troubleshoot hardware and software issues.
- Managed document archiving and hardware component installations

Certifications:

Full Stack Web Developer – LX International

Responsive Web Design – Freecodecamp

JavaScript Algorithm and Data Structures – Freecodecamp

Introduction To Javascript - Sololearn

Belajar Dasar Pemrograman Web – Dicoding Indonesia

Belajar Membuat Front-End Web untuk Pemula – Dicoding Indonesia

Belajar Dasar Pemrograman Javascript – Dicoding Indonesia

Belajar Dasar AI – Dicoding Indonesia

SKILLS

Technical Skills:

- HTML, CSS, JavaScript, PHP, Python, React JS, Postman, mPaaS, Mockoon, Ngrok, Next JS
- IT Hardware Support, Linux, Facebook Ads
- UI/UX Design, MySQL, Tailwind CSS, Bootstrap 5, MongoDB, Flask, Jinja, Jira, Gitlab
- Manual Testing, Web Testing, Documentation

Soft Skills:

- Problem Solving, Adaptability, Teamwork, Leadership, Time Management, Attention to Detail

PROJECT PORTOFOLIO:

Full Stack Web Development Project

PT LX International

January 2024 – July 2024

. Developed a comprehensive toner and printer sales website with rental and sales features using Python, Flask, Jinja, Bootstrap 5, HTML, CSS, and MongoDB.

Front End Mobile Development Project | Agustus 2024 – Oktober 2024

Project: BNI Campus Information

PT Alpha Solusi Nusantara

. Developed a mobile application based on **Alipay Mini Program** as a campus information system.

In this project, I served as a **Mobile-based Frontend Developer**, building the user interface and core features of the app. For communication with the database, I utilized **Restful API** to ensure that campus data, attendance, and transactions could be accessed in real-time. The backend was built using **mPaaS** with full support for cloud service integration. Additionally, I created **mock APIs** using **Mockoon** for testing purposes. The application was tested using **Postman** to verify the

results of the **REST APIs**. For development and demonstration purposes, a **public server** was set up using **ngrok**, while the backend server was implemented with **Java Spring Boot** for secure data communication and connection.

Front End Web Development Project | Oktober 2024 – Desember 2024

BNI KKP Management Dashboard

PT Alpha Solusi Nusantara

Developed a **KKP (Government Credit Card) management dashboard** for BNI Bank, which provides real-time data on KKP and KKPD users. The dashboard includes information such as the number of active and inactive users and user distribution by institution. The application was built using **Golang** for the backend, with a **RESTful API** connecting the system to the database. The frontend was developed using **React.js** and **TailwindCSS** for a responsive and modern interface. Additionally, the application supports graphical reports with adjustable time filters, allowing administrators to efficiently monitor and manage KKP data.

Software Quality Assurance (SQA) Testing Manual | Desember 2024

Project : BNI KKP Management Dashboard

PT Alpha Solusi Nusantara

Compile test cases based on application feature specifications, such as login/logout, managing KKP recommendations, and editing data. Analyze testing requirements from system specification documents. Conduct testing on login/logout scenarios with various conditions, such as validating username/password, handling empty forms, and logging out.

Testing CTF data management features, including adding, editing, and deleting CTF recommendation data. Record test results in the test tracker, document actual results and test status (Passed/Failed).

Report bug findings to the development team with details of reproduction steps, supporting data, and impact on the system. Perform regression testing after fixes to ensure resolved issues are resolved without introducing new bugs.

Software Quality Assurance (SQA) Testing Manual | Desember 2024 - January 2025

Project : Dashboard BPLDH Pembuatan Master Data & Management Aplikasi

PT Alpha Solusi Nusantara

Testing and Documentation of System Integration Test (SIT) for Dashboard BPLDH VA

Played a key role in the *System Integration Testing* (SIT) project for the development of the *Forgot Password* feature on the Dashboard BPLDH VA. Responsibilities included:

- Preparing test plans and test cases based on the Project Charter document.
- Executing both normal and abnormal testing scenarios, including input validation, password

setup, OTP verification, and user login tests.

- Ensuring test results met the success criteria (*pass criteria*), such as email notifications, password validation, and redirection to the dashboard page.
- Coordinating with users and developers to ensure data readiness and smooth test execution.
- Providing comprehensive reports on testing metrics, achieving 100% test effectiveness with defect-free results.

The testing was successfully completed, and the system was ready to proceed to the *User Acceptance Test* (UAT) phase.