Sadrach Harmasantyo

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I am a motivated **fifth-semester Information Systems student** at **Brawijaya University** with a strong focus on **software development** and a passion for **front-end technologies**. I am proficient in **JavaScript, TypeScript, ReactJS, and Next.js**, with a proven ability to develop **dynamic web applications**. I am actively enhancing my **technical skills** through **hands-on projects** to deepen my understanding of **modern frameworks**. I am eager to expand my expertise into **backend development** with **Express.js**, aiming to become a versatile **full-stack developer** capable of delivering **comprehensive solutions**.

EDUCATION

Information System	**Aug 2022 - Present**
Brawijaya University	**GPA:** 3.96 / 4.0

- Achieved a GPA of **3.96** during five semesters at Brawijaya University, with a focus on **computer science** and **business concepts**. Actively participated in the following organizations:
  - **KBMDSI**: Contributed as a Frontend Web Developer in the Information and Technology Development Division.
  - **POROS**: Served as a member of the Frontend Web and Internal Division.
  - **RAION**: Worked as a Programmer for Apps and Internal Division projects.
- Developed and strengthened skills in **technical development**, **teamwork**, and **leadership** through these organizational roles.

Science	**Jul 2019 - Jun 2022**
Saint Joseph College Senior High School	**GPA:** 90

SKILLS

Tech Stacks: HTML, CSS, Bootstrap, TailwindCSS, Framer Motion, Javascript, Typescript, React js, Next js, Redux

PROJECTS

POROS Website ⬈	**Sep 2024 - Nov 2024**

- **Role**: Front-End Web Developer for the **POROS** organization at Brawijaya University.
- **Responsibilities**:
  - Develop and enhance the organization's website interface.
  - Build robust, scalable, and dynamic user interfaces to improve overall user experience.
- **Tech Stack**: Utilized **Next.js, TypeScript** and **TailwindCSS** for modern web development.

Notes Website ⬈	**Oct 2024 - Oct 2024**

- **Project**: Notes Website
- **Purpose:** Developed Static Website as the final project for the Dicoding course **"Belajar Membuat Aplikasi Web dengan React"**.
- **Features :** Add, Read, Delete, Archived Notes
- **Tech Stacks: React Vite** and **TypeScript**.

KBMDSI Website ⬈	**Mar 2024 - Sep 2024**

- **Role**: Front-End Web Developer for the **Information Systems Student Association (KBMDSI)** at Brawijaya University.
- **Responsibilities**:
  - Design and implement **user-friendly interfaces** for the department's website.
  - Develop **engaging and interactive web experiences** to enhance usability and accessibility.
- **Tech Stack**: Utilized **ReactJS**, **JavaScript**, **TailwindCSS** and **Framer Motion** for dynamic and visually appealing web development.
- **Collaboration**: Worked closely with team members to ensure a **seamless user experience** aligned with the organization's goals and vision.

Pokemon Website ⬈	**Jan 2024 - Feb 2024**

- **Objective**: Designed and developed a Pokémon-themed website to enhance expertise in modern front-end development using **React Vite**, **JavaScript, PokeAPI V2**, **Axios**, **TailwindCSS**, and **Redux**.
- **Features**:
  - **Search Pokémon**: Implemented a search functionality to allow users to find specific Pokémon.
  - **Pagination**: Built a seamless pagination system to browse through Pokémon data efficiently.
  - **Skeleton Loading**: Added skeleton loaders to enhance user experience during data fetching.
- **Best Practices**:
  - Leveraged **Redux** for state management to ensure scalability and maintainability.
  - Employed **TailwindCSS** for responsive and visually appealing design.
  - Followed industry best practices to optimize website performance and user navigability.
- **Tech Stack**: Utilized cutting-edge technologies, including **React Vite** and **PokeAPI V2**, for building dynamic, interactive, and performant web applications.

Gym Exercise Website ⬈	**Dec 2023 - Jan 2024**

- **Objective**: Designed and developed a Gym Exercise website to enhance skills in modern front-end development using **ReactJS**, **JavaScript, MaterialUI**, and **RapidAPI**.
- **Features**:
  - **Search Exercise:** Implemented a search functionality to allow users to find exercise.

- **Similar & Recommendation Exercise:** Displayed exercises with similar muscle groups and provided tailored recommendations for an enhanced workout experience.
  - **Best Practices**:
    - Followed modern web development standards to ensure optimal website performance and usability.
    - Focused on creating a user-friendly and visually appealing design that promotes easy navigation and accessibility.
- **Tech Stack**: Utilized **ReactJS** for building interactive features, **MaterialUI** for a sleek and responsive design, and **RapidAPI** for integrating real-time exercise data.

ORGANIZATIONAL & VOLUNTEER EXPERIENCE

Information and Technology Development Division, Frontend Web Developer   **Feb 2024 - Dec 2024**
KBMDSI (Keluarga Besar Mahasiswa Sistem Informasi)   **Faculty of Computer Science, Brawijaya University**
- **Responsibilities**:
  - Design and implement **user-friendly interfaces** for the department's website.
  - Utilize **ReactJS**, **JavaScript**, and **Framer Motion** to create **engaging and interactive** web experiences.
  - Ensure **usability** and **accessibility** of the website.
- **Collaboration**:
  - Work closely with **team members** to gather requirements and deliver a **seamless user experience**.
  - Align development efforts with the organization's **goals and vision**.

Frontend Web Division   **Feb 2024 - Dec 2024**
POROS (Organization Of Open Source)   **Faculty of Computer Science, Brawijaya University**
- **Responsibilites:**
  - Develop and enhance the organization's website interface.
  - Build robust, scalable, and dynamic user interfaces to improve overall user experience.
- **Tech Stack**: Utilized **Next.js, TypeScript** and **TailwindCSS** for modern web development.

Internal Division   **Sep 2023 - Dec 2024**
Raion Community   **Faculty of Computer Science, Brawijaya University**
- **Responsibilities:**
  - **Organize events** that enhance team cohesion and individual development.
  - Played a **key role** in planning and executing the **Raion Upgrading event**.
  - Organized sessions on **organizational skills**, **teamwork**, and **personal integrity**.
- **Impact:**
  - Contributed to building a **collaborative** and **values-driven** culture within Raion.
  - Enhanced members' understanding of **effective teamwork** and **organizational principles**.

Programmer Apps   **Feb 2023 - Dec 2024**
Raion Community   **Faculty of Computer Science, Brawijaya University**
- **Responsibilities**:
  - Develop **Android applications** using **Kotlin** and **Firebase**.
  - Enhance **mobile app development skills** through designing, building, and deploying functional and user-friendly applications.
  - Collaborate with **team members** to gather requirements, implement features, and ensure the applications meet user needs.
- **Best Practices**:
  - Adhere to **best practices in coding** and **software development**.
  - Focus on **ensuring application performance**, **usability**, and **security**.

Deputy In Charge Raion Upgrading Event   **Nov 2024 - Nov 2024**
Raion Community   **Faculty of Computer Science, Brawijaya University**
Organized, managed, and coordinated committees for internal events within the Raion community to foster self-development and enhance organizational knowledge.

Consumption and Health Committee   **Nov 2023 - Nov 2023**
BIOS (Badan Internal Olahraga dan Seni)   **Faculty of Computer Science, Brawijaya University**
Provided adequate catering and ensured participants' safety by offering first aid supplies, preventing serious injuries and promoting a well-rounded event experience.

Equipment Committee Raion Academy Event   **Oct 2023 - Oct 2023**
Raion Community   **Faculty of Computer Science, Brawijaya University**
Ensured the availability and quality of all event equipment, making certain that everything was complete and ready for use to support a smooth and successful event experience.

Public Relation Committee Raion Insight Event   **Sep 2023 - Sep 2023**
Raion Community   **Faculty of Computer Science, Brawijaya University**
Communicated important information to participants regarding events, ensuring clear and effective dissemination of details to enhance engagement and preparedness.

CERTIFICATIONS

Belajar Membuat Aplikasi Web dengan React (Credential ID: JMZV4GMQJXN9) ⧉ by **Dicoding Indonesia**   **Sep 2024**
Belajar Membuat Front-End Web untuk Pemula (Credential ID: MRZMYN3QLZYQ) ⧉ by **Dicoding Indonesia**   **Oct 2023**
Belajar Dasar Pemrograman JavaScript (Credential ID: 2VX34K7JNZYQ) ⧉ by **Dicoding Indonesia**   **Sep 2023**