

Fadila Prasetyo Yudho

Full-stack Developer

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Summary

Full-stack Developer with extensive experience in the modern JavaScript ecosystem (React.js, Next.js, Node.js) and PHP frameworks like Laravel. Proven track record in architecting end-to-end web solutions for high-traffic government platforms, specializing in optimizing server-side performance, managing relational databases, and integrating complex APIs. Adept at bridging the gap between intuitive UI/UX design and scalable backend architecture

Experience

Pusat Data dan Teknologi Informasi (PUSDATIN), KEMDIKTISAINTEK, *Front-End Developer(Full-Time)*

Jan 2024 – Present

SISTER (Integrated Resource Information System)

- Full-stack Development: Engineered end-to-end modules for Adjustment Eligible JAD (BKD) and educator deactivation requests using Laravel and React.js.
- System Logic: Architected multi-tier validation workflows at both Central and LLDIKTI levels to ensure data integrity for critical academic submissions.
- Process Optimization: Improved cross-ministerial university workflows, managing the entire data lifecycle from database entry to user interface.

Tech Stack : Laravel, ReactJs

SSO Dashboard Web Application

- System Architecture: Developed a centralized SSO dashboard for managing complex role assignments and application modules using Next.js 15.
- Performance Engineering: Optimized application performance by offloading heavy computational tasks to the server via SSR and implementing React Query for efficient data fetching.

Tech Stack: Next.js 15, TailwindCSS

Maturitas Web Application

- Interface & Admin Engineering: Designed and implemented a comprehensive administrative ecosystem to manage assessment instruments, timeframes, and data areas.
- Dynamic Features: Developed interactive modules allowing users to configure assessment periods and filling instruments using Next.js 14.

Tech Stack: Next.js 14, TailwindCSS

Tracer Study Application

- Responsible for development and ongoing maintenance of the Tracer Study application.
- Added role-based features and permissions tailored to different user types.
- Resolved critical application bugs in the Tracer Study platform by optimizing data submission workflows and enhancing API error-handling mechanisms to ensure system reliability.
- Ensured smooth performance and reliability of the application through continuous maintenance.

Tech Stack: Next.js 12, TailwindCSS

PDDIKTI Front Page Application

- Assisted in developing new features for the admin panel based on UI/UX team designs.
- Implemented reCAPTCHA verification to enhance application security.
- Converted UI/UX designs into responsive front-end components (slicing).

Tech Stack: React.js, TailwindCSS

Sinar Mas Land, Full-Stack Web Developer (Internship)

Nov 2023 – Jan 2024

- Database Engineering: Managed and maintained the Human Capital Workspace (HCWS) database using PostgreSQL and MS SQL Server, including the development of custom stored procedures and functions for data synchronization.
- Full-stack Modules: Owned the end-to-end development of the Logbook and Smartfren modules, implementing secure CRUD operations and AJAX-driven interactivity.
- Data Analytics: Built interactive dashboard visualizations to track real-time data statistics and implemented automated Excel reporting features.

PT. ABBAUF MULIA KONSULTAN TEKNOLOGI,

Aug 2022 – Dec 2022

Front-End Developer (Internship)

- Create a webgis (Geographic Information System) application using the codeigniter framework.
- Create a circle analysis feature using the openlayers library.
- Creating 3D map feature using the openlayers library.
- Creating FAQ feature
- Contribution to the SI-DAMKAR project to perform slicing on website displays using bootstrap and the Laravel framework.

Education

Jakarta State Polytechnic,

Aug 2019 – Oct 2023

Bachelor of Applied Science, Informatics Engineering

- GPA : 3.42
- Thesis : Decision Support System for Determining Web-Based Working Capital Loan Recipients Using The Weight Aggregated Sum Product assessment (WASPAS) Method.
- Participate in community service activities namely Satu Aksi Untuk Masyarakat (SAUM)

GOTO IMPACT FOUNDATION (Generasi GIGIH 2.0 by YABB & GoTo), Front-End Engineer

Feb 2022 – Aug 2022

- Learning frontend track about javascript language, ReactJS, Redux, UI, Unit Testing, and ect.
- Softskill Development Delivered throught Socratic method from Gojek Engineering Bootcamp
- language training from beginner to intermediate with Cakap Class
- Final Capstone Project where we build digital products with real solution problems and apply what is learned knowledge

Projects

Regis Payment Service, Full-Stack

- Developed a seamless registration-to-payment pipeline using Inertia.js, React.js, and Laravel.
- Engineered the database schema in MySQL to handle secure member transactions and administrative approval workflows

Revamp Registration System, Full-Stack

- Revamped the appearance and data on forms and admin roles using Inertia.js, React.js, Laravel and MySQL.
- Change the appearance of the registration form with different fields.
- Added Create, Read, Update, Delete features for member data who register
- Create an approval feature for members who register on the form

Decision Support System (Thesis)

- Designed a web-based analytical tool using the WASPAS method to determine loan eligibility.
- Implemented complex mathematical algorithms on the backend to process multi-criteria weighted assessments.