

Ryan Ramadhan

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Software Engineer with over three years of experience, holding a Bachelor's degree in Informatics Engineering. I specialize in building and maintaining efficient, full-stack applications using a diverse tech stack: **Laravel**, **Java Spring Boot**, **React.js**, **React Native**, **Next.js**, and the **.NET Framework**. Proficient in database management with **PostgreSQL** and **MySQL**, and skilled in utilizing **Docker**, **GitHub**, and both **Windows/Linux** environments to streamline the entire development, testing, and deployment lifecycle.

Work Experience

Software Engineering Team Lead
PT. Mekanika Digital Pratama

Jun 2024 - Now

Job Description :

- o Lead a team of software developers throughout the development lifecycle.
- o Designed a dynamic dashboard application and implemented a local AI model using Next.js and MySQL.
- o Engineered interconnected web and desktop applications that share a single database, utilizing Laravel, .NET, and MySQL.
- o Designed a web-based management tool using Laravel PHP and a MySQL database.
- o Developed a desktop application to interface and communicate with manufacturing machinery using the .NET Framework and MySQL.
- o Designed a digital checksheet application for manufacturing wastewater treatment (WWT) data entry using Laravel and PHP.
- o Developed web-based programs using Laravel PHP with PostgreSQL databases.
- o Designed and developed a system using Laravel and MySQL to manage tool inventory, track tools installed on machinery, generate reports, and control user access.
- o Architected and built a comprehensive system with Laravel and MySQL to digitize all manufacturing production processes.
- o Created a system using Laravel and MySQL for the real-time monitoring of active machinery.
- o Utilized Git for version control, CI/CD pipelines for automation, and Docker for containerization and deployment.
- o Managed development and provided technical support for both internal and external application users, including bug resolution and user assistance via email, phone, and WhatsApp to ensure clear communication of problems and solutions.

Fullstack Developer
PT. Enigmacamp

Nov 2023 - May 2024

Job Description :

- o Lead a team of software developers throughout the development lifecycle.
 - o Customized application systems by developing new features, fixing bugs, and tailoring functionality to meet business requirements.
 - o Developed and maintained APIs using the Java Spring Boot framework and PostgreSQL database.
 - o Built and developed web application systems utilizing the React.js framework.
 - o Created and developed mobile applications using React Native.
 - o Integrated backend services with both React.js (web) and React Native (mobile) frontends.
 - o Prepared routine project reports, ensuring clear and effective communication between the project team and management.
 - o Responsible for identifying, analyzing, and resolving server-side bugs and errors by providing effective solutions, fixes, and system recovery plans.
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Software Engineer
Freelance

Feb 2023 - Oct 2023

Job Description :

- o Customized application systems by developing new features, fixing bugs, and adjusting functionality to meet business needs.
 - o Designed, developed, and maintained software applications according to project specifications.
 - o Identified technical project requirements and provided appropriate solutions.
 - o Diagnosed and resolved bugs and errors in applications during the development cycle.
 - o Proposed improvements and new feature developments in line with client requirements.
 - o Documented development processes and final project outcomes.
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Fullstack Web Developer
PT Nurul Fikri Cipta Inovasi

Aug 2022 - Jan 2023

Job Description :

- o Designed and developed a sales management application system using Laravel and a MySQL database, including API development.
- o Collaborated effectively within a team environment using GitHub for version control and project coordination.
- o Built and maintained a system utilizing PHP with MySQL database integration.
- o Prepared regular project reports, ensuring clear and effective communication between the project team and management.
- o Responsible for identifying, analyzing, and resolving server-side bugs and errors by providing effective solutions, fixes, and system recovery measures.

Education

Singaperbangsa Karawang University
Informatika (S1) - IPK 3.97 / 4.00

Sep 2019 - Jul 2023

Thesis: "A Web-Based Expert System for the Early Diagnosis of Diseases During Pregnancy Using Forward Chaining and Certainty Factor Methods."

Studi Independent MSIB Batch 3 - Full Stack Developer
Binar Academy

Feb 2022 - Jul 2022

- **Intermediate JavaScript:** Proficient in Object-Oriented Programming (OOP) and DOM manipulation.
- **Advanced JavaScript:** Experienced in building backend systems with Node.js and Express.js, including creating RESTful APIs, managing asynchronous operations, and implementing JWT-based authentication systems.
- **Architecture and Design Patterns:** Knowledgeable in software architecture and design patterns, including the Service-Repository pattern, Model-View-Controller (MVC), and Microservices architecture.
- **API Documentation:** Skilled in creating comprehensive API documentation using tools like Swagger (OpenAPI) and Postman.
- **Frontend Development:** Currently learning and developing skills in React.js and [Next.js](#).
- **Testing and Deployment:** Experienced in unit testing with Jest, as well as application deployment and implementing CI/CD pipelines.

Technical Skill

Programming Languages	: PHP, Javascript, TypeScript, Java, C#
Frameworks & Libraries	: Laravel, Next JS, React JS, React Native, Express JS, Node.Js, Java Spring boot, .NET Framework, Wordpress.
Tools & Technologies	: Docker, Git, CI/CD, Firebase, Nginx, Ubuntu/Linux, Windows
Databases	: PostgreSQL, MySQL, MongoDB
Cloud & Deployment	: VPS Management (Hostinger), Jamstack Platforms (Vercel), PaaS Platforms (Heroku)
Web Technologies	: HTML5, CSS, Bootstrap, Tailwind

Project Experience

Factory Viewers	: Developed with Next JS and MySQL at PT. Astra Honda Motor
Toscas Communicator	: Developed with .Net Framework and MySQL at PT. Astra Honda Motor
Fanuc Communicator	: Developed with .Net Framework and MySQL at PT. Astra Honda Motor
EQC Reject Desktop	: Developed with .Net Framework and MySQL at PT. Astra Honda Motor
Line Monitoring	: Developed with Laravel and MySQL at PT. Astra Honda Motor
Cutting Tool Management	: Developed with Laravel and MySQL at PT. Astra Honda Motor
Checksheet App	: Developed with Laravel and MySQL at PT. Astra Honda Motor
Factory-Insight	: Developed with Laravel and MySQL at PT. Astra Honda Motor
EQC Web	: Developed with Laravel dan MySQL at PT Mekanika Digital Pratama
Company Profile MDP	: Developer with Next JS at PT Mekanika Digital Pratama
Kingkost API	: Developed with Java spring boot and PostgreSQL at PT Enigmacamp
Kingkost WEB	: Developed with React JS at PT Enigmacamp
Kingkost Mobile	: Developed with React Native at PT Enigmacamp
Mootix App	: Developed with React JS an MySQL at PT Enigmacamp
Digicoffee	: Developed with Laravel dan MySQL at PT Nurul Fikri Cipta Inovasi
SecondHand	: Developed with Express Js, React Js, and PostgreSQL at Binar Academy