Muhammad Hakim Saputra

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Backend Developer with 2 years of experience specializing in Node.js (Express) and Go. Skilled in building and maintaining RESTful APIs, with additional experience in Laravel and FastAPI. Familiar with microservices and effective collaboration with front-end teams using React. Fast learner, adaptable, and dedicated to clean, maintainable code. Seeking to grow technical skills in a collaborative environment.

SKILLS

Technical Skills : HTML, CSS, Tailwind CSS, Bootstrap, JavaScript, Node.js, React.js, Express.js, Next.js, PHP, Laravel, MySQL, PostgreSQL, MongoDB, Python, Git, NPM, AWS, Docker, Selenium, Puppeteer.
Soft Skills : Teamwork, Organization, Collaboration, Creativity, Dependability.

EXPERIENCE

INTERNSHIP SOFTWARE ENGINEER (BACK END)   **August 2023 – December 2023**
PT Gits Indonesia Bandung
- Enhanced and maintained a robust and scalable RESTful API using Laravel framework.
- Collaborated with the frontend team to define API requirements and ensure seamless integration between frontend and backend systems.
- Applied authentication and authorization mechanisms using Laravel's built-in features such as JWT or OAuth.

FULL STACK DEVELOPER   **February 2021 – May 2023**
Suit Photography
- Enhanced and maintained web applications for a leading wedding documentation vendor.
- Utilized the MERN stack (MongoDB, Express.js, React.js, Node.js) to build features supporting client management, booking processes, and digital asset delivery.
- Contributed to both front-end (React.js) and back-end (Node.js, Express.js) development cycles.

PROJECT

TICKITZ MOVIES APP
React.js, TailwindCSS, Go, PostgreSQL,Docker,Midtrans
- Designed and expanded a full-featured movie ticket booking platform with responsive design for all devices
- Executed secure payment processing using Midtrans payment gateway with high transaction success rate
- Built RESTful API endpoints with Go backend to handle seat selection, booking, and user management
- Enforced containerization using Docker for consistent deployment across environments

PREFERENCES CLAUDE AI
React.js, FastAPI, Python, SQLite, Redux, TailwindCSS, JWT, WebSocket, Claude AI, Model Context Protocol
- Built a secure RESTful API backend with FastAPI, utilizing JWT for authentication and SQLite for data persistence.
- Designed and improved the frontend with React.js and Redux for efficient state management, and employed TailwindCSS for a responsive user interface.
- Applied WebSocket technology to support real-time updates of user preferences across the web UI and Claude AI.
- Integrated the application with Claude Desktop using FastMCP, allowing users to control preferences through natural language commands.

- Expanded multi-language support and theme customization (light/dark/system) accessible via both web and AI interfaces.

INSPEKSI DAN VALIDASI DATA

Node.js, Express.js, MongoDB, EJS, Tailwind CSS, JWT, Apexcharts.js

- Improved and delivered a robust data inspection and validation system for Balai Monitor Spektrum Frekuensi Radio Kelas II Pontianak, ensuring the accuracy and integrity of collected data.
- Utilized Node.js as the runtime environment and Express.js as the web application framework to build the backend infrastructure.
- Integrated MongoDB as the database solution for storing and retrieving data efficiently.
- Executed JWT (JSON Web Tokens) for secure user authentication and authorization within the system.

YutubSummarize App

Next.js, TailwindCSS, Redis, OpenAI

- Architected and expanded an AI-powered web application that processes YouTube videos to generate concise summaries.
- Applied Redis caching layer to store processed videos, reducing API load and improving response times.
- Integrated OpenAI API to analyze video content and generate accurate text summaries with high user satisfaction.
- Enhanced interactive chat functionality allowing users to query video content using natural language.

UrlShortener App

Node.js, Express.js, MongoDB, Ejs

- Created a URL shortening service allowing users to create shortened, trackable links.
- Applied user authentication for managing and tracking shortened links.
- Utilized MongoDB to store URL mappings and usage statistics.
- Designed a clean and intuitive user interface with EJS.

WHATSAPP BOT FOR PRAYER TIMES

Node.js, Whatsapp-web.js, Puppeteer

- Applied an automated system using Puppeteer to scrape prayer time data from reliable sources based on the user's location.
- Employed WhatsApp-web.js to create a conversational bot interface, allowing users to input their location, choose prayer time options, and receive accurate prayer time information directly on their WhatsApp.

EDUCATION

KODA CODING BOOTCAMP   **February 2025 - April 2025**

Full Stack Website Golang

- Mastered full stack development fundamentals including front-end and back-end technologies
- Built interactive user interfaces with React.js and implemented component-based architecture
- Created RESTful APIs and backend services with Golang and Node.js
- Designed and managed relational databases using PostgreSQL
- Enforced containerization with Docker for consistent application deployment
- Applied industry best practices in software development and code organization

UNIVERSITAS TANJUNGPURA   **August 2020**

Faculty of Engineering, Bachelor of Computer Science

- Participant of Programming Gemastik XV (2022).