

# Ihza Nauval Baihaqqi

Jakarta Barat | [Portofolio](#) | [LinkedIn](#) | +62857 7938 9695 | [ihzhanaauvalb@gmail.com](mailto:ihzhanaauvalb@gmail.com)

## SUMMARY

I am a MERN (MongoDB, Express.js, React, and Node.js) web developer. I create and develop responsive and dynamic web applications with clean and user-friendly code. I am a collaborative team member who can adapt to new technologies and constantly strive to enhance my web development skills. Although I am a MERN Stack web developer, I have a particular interest in the Backend field, specifically in managing databases, which aligns with my previous work experience.

## WORK EXPERIENCE

### EDUWORK

**Yogyakarta, ID**

*Internship Project*

*Agst 2022 - May 2023*

- Designed an optimized database structure, connected it to the server-side using ExpressJS, and developed a responsive user interface using ReactJS. As a result, data processing time was accelerated by 50%.
- Implemented secure authentication and authorization features in the web application using the MERN stack. This significantly enhanced the application's security with robust authentication methods and appropriate authorization settings, achieving a safety level of 80%. I leveraged various NPM (Node Package Management) features to accomplish this.
- Implemented data caching To improve the performance of the web application, resulting in a 40% reduction in response time when accessing previously cached data. I utilized the caching features provided by MongoDB and ExpressJS. Redis served as the caching database to store frequently accessed data, employing a time-to-live (TTL) mechanism for automatic cache updates. Additionally, I utilized ExpressJS middleware for efficient cache management.
- Implemented an efficient search feature in a web application. As a result, users were able to perform data searches quickly and accurately, with an average response time of only 2 seconds when searching through large datasets. I also leveraged MongoDB's provided search features, such as text indexing and regex-based searching.

### MTs Al Gaotsiyah Kamal

**Jakarta, ID**

*Administration Affairs - Fulltime*

*Jul 2020 – Jan 2023*

- Implemented a digital data management system in Madrasah namely EMIS, resulting in a 50% increase in data management efficiency and a reduction in data input errors by utilization of a database application and collaboration with the team to design and implement an effective system.
- Prepared and managed Madrasah budget with 15% cost savings in one year by applying expertise in financial management, budget analysis, and close cooperation with school bursar using E-RKAM application.
- Implemented a digital archive management policy in Madrasah to accelerate up to 50% in document retrieval time by utilizing a digital archive management application and collaborating with the team in the implementation and maintenance of the system.
- Creating staff and teacher appointment letters.
- Creating outgoing letters and receiving incoming letters.
- Creating Temporary Nomination Lists (DNS) for Mid-Semester Assessment Reports (PTS), End-of-Semester Assessment (PAS), and Year-End Assessment (PAT).

## EDUCATION

### SMK Fajar Ciseeng Bogor

**Bogor, ID**

*Perbankan Syariah*

*Jul 2016 - May 2019*

- Principles of Islamic Banking: Understanding the fundamentals of Islamic banking, principles governing Shariah-compliant transactions, and principles of Islamic economics.
- Products and Services of Islamic Banking: Learning about various products and services of Islamic banking such as financing, savings accounts, deposits, Shariah-compliant credit cards, and Islamic investment products.
- Islamic Economic Law: Investigating the legal aspects of Shariah-compliant banking transactions and relevant principles of Shariah.

- **Shariah Banking Accounting:** Studying the principles of accounting applicable to Shariah-compliant banking, such as asset valuation and liability assessment based on Shariah principles.
- **Risk Management in Shariah Banking:** Understanding specific methods and strategies of risk management for Shariah-compliant banking, including credit risk, liquidity risk, operational risk, and market risk.

## CERTIFICATION & BOOTCAMP

### EDUWORK

*MERN Stack Web Developer*

**Yogyakarta, ID**

*Ags 2022 - May 2023*

- Learned how to create the basic structure of web pages using HTML, style elements for 2 days using CSS, and utilize the Bootstrap framework to build responsive web interfaces and implement them in the task of creating web pages according to the example images given in a period
- Learned JavaScript as the primary programming language, including OOP concepts to create structured and modular code. Implemented it in the task of creating a simple game using JavaScript in about 2 days, and for OOP, implemented it in the task of creating a mini library in about 4 days.
- Learned how to manage tasks that run simultaneously around 5 days using asynchronous concepts such as Promises, async/await, and callbacks, and implemented them in the task of creating a news portal website with API data.
- Delved into web application development, including creating components, managing state, and implementing routing within a timeframe of 2 weeks using ReactJS.
- Learned server-side development for data management within a timeframe of 6 days, using NodeJS and the ExpressJS framework, as well as integrating with both NoSQL (MongoDB) and relational (MySQL) databases
- Develop responsive and interactive web applications by mastering HTML, CSS, JavaScript, ReactJS, and backend technologies like NodeJS and ExpressJS.
- Understanding of code management within a timeframe of 6 days, using GIT and the usage of databases such as MongoDB and MySQL also contribute to my knowledge.

## SKILLS, INTERESTS & LANGUAGE

**Technical Skills:** Html | CSS | Bootstrap | Javascript | NodeJS | ExpressJS | MongoDB | ReactJS | RestAPI | MySQL | Typescript | Git/Github | Visual Studio Code | Sublimetext

**Interests:** Frontend Web Developer, Backend Web Developer, MERN Fullstack Web Developer

**Language :** Indonesian Language (Native), Arabic Language (Intermediate), English Language (Basic)

## PROJECTS

### Form Validation

*Apr 2022*

**Details :** To handle user input, we can use the onChange event on input elements.

**Tools :** ReactJS, React Hook, Formik, Yup

**Github :** <https://github.com/IhzhaNB/validation-form>

**Demo :** <https://validation-form-kappa.vercel.app/>

### Lifecycle News

*Apr 2022*

**Details :** A news portal website is a website that is created to provide informational services. This web portal uses Lifecycle Methods, and the news sources are fetched from the GNews API.

**Tools :** ReactJS, Lifecycle Methode, API GNews

**Github :** <https://github.com/IhzhaNB/lifecycle-news>

**Demo :** <https://lifecycle-news-eta.vercel.app/>

### Hook News

*Apr 2022*

**Details :** A news portal website is a website that is created to provide informational services. This web portal uses React-Hook Methods, and the news sources are fetched from the GNews API.

**Tools :** ReactJS, React Hook, API GNews

**Github :** <https://github.com/IhzhaNB/hook-news>

**Demo :** <https://hook-news.vercel.app/>

### D.Store

*May 2023*

**Details :** D.Store is a web platform that enables buyers to purchase both smartphones and laptops without the need to leave their homes.

Tools : MongoDB, ExpressJS, ReactJS, NodeJS, Mongoose, Redux, Stripe  
Github : 1. Frontend : <https://github.com/IhzhaNB/ecommerce-frontend-eduwork>  
2. Backend : <https://github.com/IhzhaNB/ecommerce-eduwork-backend>  
Demo : <https://ecommerce-frontend-eduwork.vercel.app/>

## REFERENCE

---

Name : Teguh Setiawan  
Company : Eduwork  
Position : Mentor - MERN  
Contact : WA 082390376279

Name : Dimas Bagus Susilo  
Company : Eduwork  
Position : Mentor - MERN  
Contact : WA 081809713971