

## MUHAMMAD RIZQI AMANAN HABIBULLOH

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### SUMMARY

I am a Computer Science student with a focus on full-stack web development across front-end and back-end platforms. Experienced in programming languages such as Java, Python, JavaScript, and TypeScript. Skilled in developing scalable, high-performance web applications using Agile methodologies, version control with Git, and ensuring code quality through testing. I am also familiar with DevOps practices, including code management, version control, and continuous integration workflows.

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### EXPERIENCE

**Web Developer (Internship)** | Mark Design Startup June 2022 - December 2022

- Performed basic network troubleshooting and WiFi maintenance to support daily operations.
  - Assisted in content development by creating over 15 articles for digital platforms.
  - Developed a responsive company profile website using a ReactJS for the frontend, NodeJS for the backend, and MySQL as the database.
  - Collaborated with a 3-person design team to deliver high-quality software solutions and implement UI/UX best practices.
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### PROJECTS

**Trading Simulation Platform**(Individual Full-Stack Project) June 2025

A stock trading simulation platform utilizing a Go backend with Clean Architecture patterns, a Nuxt 3/TypeScript frontend, a MySQL database, and Redis for real-time data processing.

- Features real-time stock price updates via WebSocket, advanced order management (limit, stop-loss, OCO), and portfolio tracking with performance analytics.
- Implemented secure JWT authentication and a RESTful API architecture with over 25 endpoints.
- Utilized Redis pub/sub for real-time data and deployed using Docker containerization with a CI/CD pipeline (Jenkins, GitHub Actions).
- Optimized performance through SSR and database indexing, achieving a 40% performance improvement.
- [stock-simulation-frontend.vercel.app](https://stock-simulation-frontend.vercel.app)

**Animal Mart**(Individual Full-Stack Project) May 2025

An e-commerce platform developed using a Next.js 14/TypeScript frontend, an Express.js backend, and a Firebase Firestore database.

- A complete e-commerce solution with an order management system, product reviews, a persistent cart, and an admin dashboard featuring real-time analytics and CSV export.
- Implemented JWT authentication and responsive design with React Context API for state management.
- Built a RESTful API architecture showcasing comprehensive full-stack development skills.
- [animal-marts.vercel.app](https://animal-marts.vercel.app)

**HurtsSpace**(Individual Full-Stack Project) July 2025

Under Development

An e-commerce platform for small-to-medium enterprises (UMKM) built with Clean Architecture using Next.js 15, React 19, TypeScript, Express.js, Prisma ORM, and MySQL.

- Features include product management, a shopping cart, an ordering system, a payment gateway, and an admin dashboard.
- Transformed a legacy codebase to Clean Architecture, reducing complexity by 92%.
- Implemented Domain-Driven Design and the Repository Pattern.

### Village Web Platform (Group Project)

August 2024

Contributed to the development of a digital platform highlighting the creative initiatives of the Wersah Gang III community, showcasing local events, vision, and innovation programs.

- Built multiple sections and pages using Next.js with TypeScript and integrated an Express.js backend with Firebase for data management.
- Collaborated with a 4-person team to deliver community-focused solutions, increasing engagement by 60%.
- [arusbawahcreator.vercel.app](https://arusbawahcreator.vercel.app)

### AuctionHub Online Auction System (Individual Full-Stack Project)

May 2025

An online auction system using PHP 8.1, MySQL, and AdminLTE with multi-role authentication (Admin/Employee/User), a real-time bidding system, and a responsive dashboard.

- Implemented Docker containerization and deployment configuration, achieving 99.5% uptime.
- Developed a real-time bidding system with multi-role authentication and comprehensive management features.
- [uaspemweb.wasmer.app](https://uaspemweb.wasmer.app)

### Muara (Group Project)

June 2025

Under Development

An informative platform enabling users to publish critical articles and upload academic journals, supported by a team of experienced reviewers as part of the Arus Bawah Creator initiative.

- Developed using Svelte for the frontend, Go for the backend, TailwindCSS for styling, and PostgreSQL for data management.
- Features include article publishing, journal submission, peer review system, and community-driven content curation.
- Collaborated with a cross-functional team to create a platform that encourages public discourse and knowledge sharing.
- Implemented secure authentication and role-based access control for authors, reviewers, and administrators.

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## HARD SKILLS

- **Programming Languages** : JavaScript, TypeScript, PHP, Go, Python, Java
- **Frontend Technologies** : React.js, Next.js, Vue.js, Angular, Svelte, HTML5, CSS3, TailwindCSS
- **Backend Technologies** : Node.js, Laravel, WebSocket
- **Web Framework** : Express.js, Gin, Fiber,
- **Database** : MySQL, PostgreSQL, Firebase, Redis, MongoDB
- **Tools & Technologies** : Git, GitHub, Docker, Jenkins, CI/CD Pipeline, ORM
- **Architecture & Patterns** : Clean Architecture, MVC, Repository Pattern, Domain-Driven Design, Microservices, Atomic
- **Testing & Quality** : Unit Testing, Integration Testing, API Testing, Code Coverage
- **Code Editor** : Visual Studio Code, Android Studio, Google Collab

**Language** : Bahasa (Native), English (Intermediate)

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## EDUCATION

**Bachelor of Informatics** | University Pembangunan Nasional "Veteran" East Java 2023 - Present

- GPA: 3.758/4.00 (4th Semester)

**Vocational High School - Software Engineering** | SMK Telkom Malang 2020 - 2023

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## **CERTIFICATIONS**

- **NodeJS Competency Certification (BNSP)** [Credential](#) March 2023
  - **IT Specialist Certification in JavaScript** [Credential](#) December 2022
  - **Telkom Digi Up JWD (BNSP)** [Credential](#) November 2022
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