

# Isna Ayu Muarofah

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## ABOUT ME

I am Isna Ayu Muarofah, a graduate in Informatics Engineering with a strong passion for advancing in the field of technology. I bring experience in software development and actively pursue training to enhance both my technical and soft skills. I am keen to pursue a career as a backend developer, frontend developer, or full stack developer, while remaining open to exploring other areas within the technology sector. I believe that every challenge is an opportunity for learning and growth, and I am prepared to make meaningful contributions in a dynamic and innovative work environment.

Programming	Java, JavaScript, Python, Go, PHP
Database	Oracle, PostgreSQL, MySQL
Framework	JHipster, Spring boot, ReactJS, React Native, CodeIgniter, Laravel
Tools	AWS, Git, Katalon, GitHub, Gitlab, WinSCP, Visio, Ms. Office, JMeter
Soft Skill	Problem Solving, Analytics, Critical Thinking, Teamwork
OS	Linux, Windows
Other	RabbitMQ, Docker, IIS Server, FTP, Regex, SOAP, Unit Testing

## EXPERIENCE

<b>Bank Negara Indonesia ( BNI )</b>	<b>Jakarta</b>
<i>Software Engineer – Backend Developer</i>	<i>August 2024 – Present</i>

- Leveraged JHipster to accelerate microservices development using Java, delivering modular and maintainable solutions aligned with business requirements.
- Utilized Oracle Database for schema creation, including Entity-Relationship Diagrams (ERDs) and establishing optimal relational structures to ensure data integrity and performance
- Developed and maintained microservices, ensuring high availability and fault tolerance while adhering to modern software design principles.
- Designed and implemented robust services to handle internal, external, and mixed account submissions, ensuring seamless functionality and user experience.
- Developed and managed SOAP-based integrations for secure and efficient consumption of account-related data across various systems.
- Implemented transaction management strategies, including the use of optimistic and pessimistic locking, to maintain data consistency and reliability across distributed systems.
- Implemented RabbitMQ for integrating OCR Engines and automating Rules Engines, enabling streamlined document processing and decision-making workflows.
- Built and optimized Extract, Transform, Load (ETL) processes to clean, transform, and validate large datasets, ensuring data accuracy and consistency for downstream applications.
- Applied complex regular expressions to parse, extract, and validate data efficiently, significantly improving automation and reducing manual intervention.
- Deployed applications using Docker, ensuring consistent and scalable deployments across all environments.
- Parameterized configurations to enable flexibility and adaptability in various deployment scenarios, enhancing scalability and maintainability.
- Supported Static Application Security Testing (SAST) and Dynamic Application Security Testing (DAST) to identify and mitigate vulnerabilities, ensuring compliance with security standards

<b>PT. Enigma Cipta Humanika</b>	<b>Jakarta</b>
<i>Fullstack Developer – IT Talent</i>	<i>November 2023 – July 2024</i>

- Developed a comprehensive E-commerce platform with transactional capabilities and robust CRUD operations, seamless upload and download functionalities, utilizing Java, Spring Boot, JPA, and software architectural pattern.
- Designed and optimized Entity Relationship Diagrams (ERD) to establish efficient database structures, showcasing expertise in relational database concepts.
- Implemented RESTful APIs with Swagger documentation for improved project clarity and ease of integration.
- Strengthened application security by integrating JSON Web Tokens (JWT) to protect APIs from unauthorized access.
- Managed application containers using Docker to streamline deployment processes and enhance scalability.
- Demonstrated commitment to delivering secure, efficient, and scalable solutions in Java-based end-to-end application development.
- Implemented unit and integration tests using JUnit and Mockito to ensure backend reliability and maintain high code quality standards.
- Engineered responsive web interfaces and mobile applications for E-commerce using ReactJS and React Native.
- Employed Redux for centralized state management, ensuring smooth data flow and improved performance.
- Integrated Axios interceptors to manage HTTP requests effectively and enhance API communication.
- Conducted rigorous unit and integration testing using Jest and React Testing Library to ensure frontend robustness and reliability.
- Created mobile-specific components and leveraged React Navigation for seamless navigation in React Native applications.

<b>Dinas Perpustakaan dan Kearsipan</b>	<b>Tuban</b>
<i>Research and Development Division – Internship</i>	<i>June 2022 – August 2022</i>

- Spearheaded the development of the E-Kodwil project, a dynamic back-end solution designed to streamline the management and accessibility of regional codes.
- Implemented robust functionalities allowing users to seamlessly search, add, edit, and delete region codes, enhancing overall efficiency in data management.
- Utilized a cutting-edge tech stack, including PHP, MySQL, and CodeIgniter

EDUCATION

**Nahdlatul Ulama Sunan Giri University**  
*Bachelor's Degree in Informatics Engineering*  
• GPA: 3.81/4.00. Final Thesis: Real-Time Tomato Quality Detection System Using You Only Look Once (YOLOv7) Algorithm. Journal: <https://ejournals.umn.ac.id/index.php/TI/article/view/3337>

**Bojonegoro**  
*September 2019 - September 2023*

CERTIFICATION

**AWS Re/Start Graduate**  
*Cloud Computing*  
• Developed a profound understanding of various AWS services, establishing a strong foundation for managing modern cloud infrastructure.  
• Demonstrated expertise in creating and managing EC2 instances, showcasing skills in virtual machine configuration and management.  
• Acquired expertise in security, networking, Linux, and Python, enhancing proficiency in key technological domains

**AWS – Orbit Future Academy**  
*Juni 2023*

**Git Learn**  
*Version Control*  
• Proficient in Git version control, including branching, merging, stashing, rebasing, cloning, reverting, pushing, pulling, deleting, ignoring, renaming, tracking issues, resolving conflicts, collaborating, and managing files.

**Simplilearn**  
*Juni 2023*

**Computer Literate Certified Professional**  
*Computer Literate*  
• Excelled in word processing, spreadsheet, and presentation, achieving an outstanding average score of 97 out of 100.

**LSK-TIK**  
*Oktober 2019*

ORGANIZATION

**Information Engineering Student Association**  
*Secretary*

**Nahdlatul Ulama Sunan Giri University**  
*January 2020 - April 2022*