

MUHAMMAD AKBAR REISHANDY

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A software developer with hands-on experience in building reliable software solutions, specializing in backend development and security. Passionate about designing efficient systems and safeguarding data integrity, with a strong commitment to continuous learning and growth. Seeking opportunities to apply technical skills, collaborate on impactful projects, and contribute to innovative solutions.

EXPERIENCE

MTsN Kota Pasuruan

August 2024 - Now

Web programming teacher

- Taught programming basics to 76 middle school students, leveraging interactive tools and platforms with curriculum blending foundational programming concepts with hands-on practice to foster engagement and understanding.
- Guided students in creating 60+ individual portfolio websites and completing 4+ collaborative web projects showcasing real-world applications of their learning.

PT Mitrasukses Engineering Indonesia

October 2024 - November 2024

Intern IT Officer

- Deployed and configured a state-of-the-art NAS system serving 15+ engineering team members, streamlining data management and enhancing operational security.
- Revamped the company's LAN network infrastructure by replacing 15+ outdated cables, installing 2 advanced switches, significantly improving connectivity and system reliability.
- Led a comprehensive upgrade of the CCTV system, restoring functionality to 3 units, replacing a critical HDD, and installing 5 cutting-edge internet-enabled cameras for enhanced real-time monitoring.
- Successfully executed 5+ IT projects, including mini PC installations, WLAN printer reconfigurations, and strategic vendor collaborations, driving operational efficiency and cost optimization.

PROJECTS

Re-Chat [<repo>](#)

Python

Secure messaging API and Client pair

- Developed a real-time chat platform utilizing modern cryptographic techniques to ensure privacy.
- Featuring state-of-the-art end-to-end encryption, secure key exchange, and seamless real-time messaging using Python and FastAPI.
- Leveraging MongoDB for seamless database integration and automated session management for enhanced security and performance.

Encrypted Note Web App [<repo>](#)

HTML, CSS, JavaScript, PHP

Secure encrypted note-keeping web app

- Designed, executed, and deployed a robust web application for secure note-keeping, prioritizing user privacy and data integrity.
- Implemented note encryption mechanisms to safeguard sensitive information, employing industry-standard encryption techniques.

TRAINING AND CERTIFICATIONS

CS50X and CS50P

HarvardX · 2023

Fundamentals of Project Management and DevOps Basics

Dicoding · 2022 - 2023

Building Backend Apps, Web Apps, and Android Apps

Dicoding · 2022 - 2023

IT Security: Defense Against Digital Crime

Google x Coursera · 2022

EDUCATION

Universitas PGRI Wiranegara, East Java

September 2022 - Expected July 2026

Bachelor of Computer Science

- Achieved an outstanding GPA of 3.93 and excel in Programming, Security, System Design, coursework.

Universitas Negeri Makassar, South Sulawesi

August 2023 - December 2023

Exchange program in Computer Engineering

- Completed a semester with 4.0 GPA in all taken courses and developed 3 projects with top scores.

SKILLS

Technical skills: Python, Java, HTML/CSS, PHP, JavaScript, SQL and NoSQL Database, Git, Linux, Office suite
Soft skills: Problem-solving, Communication, Teamwork, Time management, Active listening, Disciplined, Organized