

# MUHAMMAD ARIZKI

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Jl. Pasar 3, Tegala Rejo, Medan Perjuangan, Medan, Indonesia

I am a Full-stack Web developer with expertise in Laravel, Node.js and Next.js. I have experience in developing scalable, secure, and reliable web applications using various frameworks and technologies. I enjoy solving complex problems and I am always enthusiastic about learning new skills.

## Work Experiences

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**PT. Raksasa Indonesia - Medan, Indonesia.**

Feb 2024 - Jul 2025

*Fullstack Web Developer*

- Developed a push notification system using Firebase Cloud Messaging, resulting in a 30% increase in user engagement for time-sensitive updates.
- Built and maintained a scalable WebSocket service using NestJS to support real-time communication for chat functionality with latency under 200ms, used by 500+ daily active users.
- Built an inventory management web app using ReactJS and NextJS, improving stock tracking efficiency by reducing manual errors by 40% and supporting multi-branch operations.
- Implemented Zustand for state management in a complex form system, reducing state-related bugs by 50% and improving rendering performance by 15%.

**Biro Sistem Informasi - UMSU - Medan, Indonesia.**

Jan 2023 - Jan 2024

*Junior Web Developer*

The Information Systems Bureau is an IT department located on the campus of the Muhammadiyah University of North Sumatra.

- Developed a RESTful attendance API with Express.js that handled 500+ daily requests and integrated with geolocation tracking, reducing manual attendance discrepancies by 70%.
- Integrated real-time maps tracking using MongoDB geolocation, enabling accurate driver tracking with error margin <50 meters for current location monitoring.

**Biro Sistem Informasi - UMSU - Medan, Indonesia.**

Jun 2020 - Dec 2022

*IT Support*

The Information Systems Bureau is an IT department located on the campus of the Muhammadiyah University of North Sumatra.

- Managed allocation of over 200+ IP addresses, implemented 5+ VLANs, and optimized routing across subnets, reducing network congestion by 25%.
- Designed and implemented network security policies including firewall rules and VPN, reducing breach incidents by 60%. Created scalable network topology for 3 office branches.

## Education Level

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**Universitas Muhammadiyah Sumatera Utara - Medan, Indonesia**

Sep 2019 - Aug 2023

*Bachelor of Information Systems, 3.72/4.00*

- Participating in the "Kampus Merdeka", Cloud Computing Learning Path Student program 2022
- Join the Student Mobility Program at Universiti Tun Hussein Onn Malaysia (UTHM) 2020/2021

## Skills, Achievements & Other Experience

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- **Tech Stack:** HTML, CSS, JavaScript, React.js, Next.js, Node.js, NestJS, Laravel
- **Database:** MongoDB, PostgreSQL, MySQL
- **Tools:** Git, VS Code, Postman, Figma
- **Other:** Systems Analyst, Hardware Maintenance, Network Administration