

Muhammad Azhar Rasyad

Software Engineer

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📍 Jakarta, Indonesia

SUMMARY

Software Engineer with 8+ years of experience in full-stack web development, delivering 130+ projects across government information systems, civic administration, public health platforms, and commercial applications using Laravel, PHP, JavaScript, Vue.js, React.js, Golang, Python, and Tailwind CSS. Currently pursuing a Master of Computer Science at Universitas Budi Luhur with a research focus on blockchain technology, data warehouse, and enterprise architecture, resulting in 3 published journal articles.

EXPERIENCE

Software Engineer

12/2025 - Present

Join PKS • Part-time • Remote ↗

- Developed and maintained a scalable volunteer management platform serving PKS members and volunteers across 38 provinces in Indonesia using Golang for backend services and Svelte for frontend development.
- Designed and implemented RESTful APIs to support web and mobile applications, enabling centralized volunteer data management from provincial to village (kelurahan) levels.
- Built a scalable system architecture targeting more than 1 million active users with optimized database design, caching strategies, and service performance improvements.
- Implemented CI/CD pipelines and containerized deployment using Docker to streamline development, testing, and production release processes.
- Developed volunteer registration, profiling, regional hierarchy management, and reporting features to support community outreach and volunteer coordination activities.

Intermediate Software Engineer

02/2025 - Present

Tripasysfo Techno Development • Full-time • Remote

- Built a web-based accounting system for Tripasysfo Proxima supporting financial transaction management and digital reporting using Laravel, Vue.js, and PostgreSQL
- Developed a comprehensive hotel reservation platform for Tripasysfo Recerva with booking engine, hotel profile management, rate and promo settings, back office management, and Doku payment gateway integration
- Built a project management website for Tensindo MST Group to manage construction services including post-tensioning, bridge erection, and formwork using Laravel

Junior Software Engineer

02/2023 - 02/2025

Tripasysfo Techno Development • Full-time • On-site

- Developed a company profile website for Tripasysfo to strengthen online brand presence using Laravel
- Built a web-based room booking system for PT Megapolitan Development with online scheduling and responsive interface using Laravel
- Developed a hotel booking platform for Horison Ultima Bandung with online reservation, hotel facilities details, and Faspay payment gateway integration using Laravel and MySQL

Software Engineer

01/2023 - Present

Freelancer • Freelance • Remote

- Developed 50+ web-based projects covering government information systems, e-commerce, education, health, and public service platforms over 3 years
- Built various government systems including attendance management, posyandu tracking, UMKM directories, DBD monitoring, e-kinerja, PPID portals, and regional administrative systems
- Developed public service platforms such as electronic performance tracking, social service management, archive systems,

contract management, and community health monitoring

Software Engineering Specialist

01/2022 - 12/2022

Sudin Kominfotik Jakarta Selatan • Full-time • On-site

- Developed and maintained multiple government web information systems across 7 projects, including CRUD operations, role-based authentication, and data management features
- Built and maintained TerbaikTUFJ, an urban farming e-commerce platform, with additional feature development and Gosend API shipping integration
- Developed Sisirteco, a vehicle data management system with inbound and outbound tracking and role-based authentication for Kecamatan, Kelurahan, and field officers
- Built SI UCL, a chatbot-based virtual assistant web application with QnA database management and optimized conversation algorithm
- Built a labor dispute tracking system with public case submission and mediation progress tracking

Junior Web Developer

10/2020 - 01/2021

PT Absolut Data Indonesia • Internship • Remote

- Responsible for developing a web dashboard for Bandung city public transportation system
- Implemented CRUD operations for managing public transportation data of Bandung city
- Integrated and embedded data visualizations from Yellowfin BI tools into the web dashboard
- Optimized web performance to handle large volumes of incoming data efficiently
- Developed real-time graphs and charts based on data integrated from the database

Assistant Lecturer

09/2019 - 06/2021

STT Terpadu Nurul Fikri • Part-time • On-site

- Taught foundational programming concepts and logical thinking
- Guided students in understanding OOP principles and algorithm process flow
- Explained the advantages of RDBMS implementation in application development
- Introduced the application of Big Data across various domains
- Acted as Scrum Master in the SDLC process of software development

Junior Software Engineer

09/2016 - 10/2016

CV Himalaya Teknologi • Internship • On-site

- Responsible for web development and maintenance using WordPress
- Created and published digital content for Amazon Affiliate marketing
- Optimized web content through SEO strategies to improve search engine ranking
- Identified and resolved bugs to ensure stable website performance
- Analyze visitors via web traffic
- Analyzed website visitor behavior and performance metrics via web traffic monitoring

EDUCATION

Computer Science

2024 - 2026

Universitas Budi Luhur - Master of Computer Science

- Explored Advanced Data Modeling with Kimball Methodology through a Systematic Literature Review, published in Jurnal Sosial dan Teknologi (SOSTECH)
- Identified gaps and solutions in Enterprise Architecture implementation for healthcare facility digitalization in Indonesia, published in DIJEMSS
- Developed a digital record classification model using SVM integrated with Hyperledger Fabric blockchain, published in Jurnal Inovtek Polbeng
- Analyzed and compared the performance of Raft and SmartBFT consensus algorithms in Hyperledger Fabric as a thesis research

Information Technology

2017 - 2021

Sekolah Tinggi Teknologi Terpadu Nurul Fikri - Bachelor of Computer Science

- 2nd and 3rd place in Smart City Web Development at STTNF
- 3rd place in Web Design at Astro STTNF
- Finalist in Hackathon Web Development at Jamkrindo
- 1st place in Hackathon Web Development at Astro II STTNF
- Developing a project management website for students and lecturers at STTNF as a final project

Computer Software Engineering

2014 - 2017

SMKN 1 Cibinong - High school diploma

- Developing a plugin application for multiposting on WordPress as a final project

SKILLS

Blockchain	Basic	CMS	Advanced
SEO	Basic	Database	Advanced
DevOps & CI/CD	Intermediate	Backend	Advanced
Project Management	Intermediate	Frontend Web	Advanced
Data & Analytics	Intermediate	Web Development	Expert

LANGUAGES

Indonesia	Native	English	Intermediate
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