

# Mhd Ulil Abshar

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## Summary

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I am a third-year Information Systems student with over 1 year of experience as a software engineer, specializing in backend development and proficient in frontend technologies. I've worked on projects across logistics, e-commerce, information systems, and mentoring platforms, where I've led and contributed to high-impact solutions. I'm passionate about creating software that solves real-world problems and ensuring code quality. Driven by a desire to innovate, I thrive in dynamic environments and seek opportunities to continuously refine my technical skills.

## Experience

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### Metro Software

#### Software Engineer | 06/2024 - 04/2025

Metro Software is an Indonesia-based software house that helps small to medium businesses build digital products and optimize business processes.

#### Meets Indonesia - Frontend Engineer

- A mentoring platform connecting mentors and mentees across various fields, featuring chat messaging and Zoom video mentoring.
- Implemented CI/CD pipelines with GitHub Actions, reducing deployment time by 60% and minimizing deployment errors
- Developed scalable chat system using Socket.IO
- Architected real-time video conferencing platform using WebRTC and custom VIDEO SDK
- Created reusable component library following React best practices,
- Optimized application performance by implementing Zustand for state management

#### TEDxUNAND - Software Engineer

- Engineered end-to-end ticketing platform resulting in successful sale of 100+ event tickets with 0% transaction failures.
- Implemented Xendit payment gateway integration, achieving 99.9% payment processing success rate and reducing manual transaction handling by 100%
- Architected responsive design with modern UI/UX principles

#### Fixolution Project - Software Engineer

- Developed a mini-commerce platform connecting users with nearby mechanics for spare parts and roadside repairs, enabling customers to access services instantly.
- Integrated Biteship API to provide real-time logistics tracking, enhancing user experience and operational efficiency
- Delivered an end-to-end solution, from initial design to deployment, within an accelerated 1-month timeframe.

### Meets Indonesia

#### Software Engineer | 11/2024 - 03/2025

- Engineered automated CI/CD pipelines with GitHub Actions, reducing deployment time from 45 minutes to 5 minutes and eliminating manual deployment errors.
- Developed comprehensive analytics dashboard using React.js, providing real-time insights into user behavior and sales metrics.
- Led migration initiatives, ensuring seamless transitions across different deployment platforms, minimizing disruptions and ensuring data integrity
- Refactored early-stage code, improving performance and reducing technical debt.

### Kementerian Kelautan dan Perikanan RI

#### Software Engineer Intern | 01/2025 - 02/2025

- Developed an end-to-end platform for booking meeting rooms and managing attendance, improving administrative efficiency, improving administrative efficiency systems.

## Education

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Bangkit led by Google, Goto, and Traveloka

## Cloud Computing Cohort

Graduated with Distinction (Best Graduate) Top 147 out of 1,470 Students in Cloud Computing Path with score 93,20. Became one of 4,636 students in total 3 Path out of 45,841 applicants across Indonesia, I successfully completed 900+ hours of Cloud Computing path, gaining both theoretical knowledge and practical skills that are aligned with industry demands in today's digital era.

- Top 10% (147) out of 1,470 students in Cloud Computing path
- Top 1000 out of 4,636 most active student in ILT tech Cloud Computing and soft skills
- Top 5 students out of 25 with most active interaction on weekly consultation CC-57
- Top 100 out of 4,636 Scoring Students in Soft Skill Assignment 3

## Univeristas Andalas Information System

- Teaching Assistant for the Cloud Computing course, teaching 90+ students about cloud technologies and Google Cloud Platform (GCP).
- Speaker on career and study plans at a personal development program organized by HMSI UNAND [2025]
- 3rd Place in the Better Day Project 3.0: Business Idea Competition [2022]

## Leadership and Organization

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### Metro Institute - Community Lead

- Metro Institute is a student organization dedicated to advancing IT skills through innovation, collaboration, and inclusive education.
- Formulated and executed strategies to lead a community of 50+ members, including core team members, mentors, and mentees.
- Supervised four tech bootcamp programs and a capstone project, mentoring 25+ mentees.
- Designed and developed three core programs to foster growth and engagement within the community.

### GDSC UNAND - Core Member, Frontend

- Led educational sessions on HTML, CSS, and React.js for a study group of 3 members.
- Collaborated with the team to design and develop a 7-module curriculum for internal studies and GDSC Study Jams.
- Conducted a React.js workshop for 25 participants, covering development, state management, and live deployment with hands-on exercises.

## Skills

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- **Programming** : Javascript , Typescripts
- **Framework**: React.js, Nextjs , Express JS
- **Database Management**: MySQL, PostgreSQL
- **Cloud Computing**: Google Cloud Platform (GCP), DigitalOcean
- **Project Management**: Agile Methodology, Scrum
- **Team Collaboration**
- **Leadership**
- **Problem-Solving**