

# MOCH RIZAL HERDIANSYAH

Purwakarta, Jawa Barat | mochrizalherdiansyah02@gmail.com | 087718622962 | www.linkedin.com/in/mochrizalherdiansyah

S1 Informatics graduate with expertise in software development, database management, data analysis and application testing. Experienced in developing 3 web-based systems, being a Practicum Assistant for 5 semesters and Quality Assurance Engineer at Gamatechno Indonesia. Actively involved in organizational activities to develop communication, leadership, teamwork and problem-solving skills. Mastered technical, analytical and managerial aspects in software development and project management. Highly motivated to contribute to the company in a professional work environment through expertise and dedication.

## EDUCATION

### Universitas Mercu Buana Yogyakarta - Sleman, Indonesia

2021- 2025

Bachelor of Computer Science

- **Thesis Title:** MOORA Approach in Recommending Outstanding Graduates Based on Multi-Criteria Optimization for Informatics Study Program.
- **GPA:** 3,81.
- **Achievements:** Received funding for the Student Organization Capacity Strengthening Program (PPK ORMAWA) in 2024 as an implementation team with HMPS Guidance Counseling Universitas Mercu Buana Yogyakarta.
- **Community Service:** Cultural Awareness Character Development Based on Community Strengthening and Digital Arts Inventory as Social Capital for the Realization of Cultural Village in Purwomartani.

## WORK EXPERIENCES

### Universitas Mercu Buana Yogyakarta - Sleman, Indonesia

Sep 2022 - Jan 2025

Informatics Practicum Assistant

- Taught 4 courses in five semesters, Programming Algorithms, Database, Database Programming and Web Programming.
- Taught 3 classes per week, mentoring 90+ students each semester.
- Taught algorithms, flowchart diagrams, C language, HTML, CSS, Javascript, PHP, CodeIgniter, LTE Admin, ERD, MySQL and Oracle.
- Evaluated 16+ weekly assignments, increasing program code completion success from 50% to 85%.
- Conducted 4 assessment tests each semester with 80% of students successfully improving their understanding of programming logic and system design.
- Examined 30+ students each semester through real-world case study-based final project presentations.

### Gamatechno Indonesia - Sleman, Indonesia

Feb 2024 - Aug 2024

Quality Assurance Engineer

- Developed usage flow scenarios for 2 projects, Board Meeting App and Santri App.
- Tested 50+ usage flows of Board Meeting App and Santri App, covering functionality, navigation and user experience.
- Documented test results, including bug findings, evaluation, and improvement recommendations.

## ORGANISATIONAL EXPERIENCE

### Badan Eksekutif Mahasiswa Fakultas Teknologi Informasi (BEM FTI) UMBY

Jan 2024 - Jan 2025

Secretary Division

- Manage administrative documents and 2 official letters, and ensure smooth communication of the organization.
- Record minutes of internal and external organizational meetings, documenting results and necessary follow-up.
- Prepare 2 reports on organizational activities, evaluation and accountability of activities.

## Treasurer Division

- Managed a budget of Rp 5,000,000 for 5 work programs in one period.
- Prepared 12 financial reports, recorded more than 20 transactions, and increased the organization's financial transparency.
- Created a digital recording system to speed up financial reporting, and increased member confidence by 25%.

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**CERTIFICATION & TRAINING**

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- Microsoft Certified: AI Azure Fundamentals (MCF) - 2024.
- MSIB: Batch 6 Certified Independent Study Participant at PT Educa Sisfomedia Indonesia - 2024.
- Gamelab Indonesia: Web Back-End Developer Industry Class Training at PT. Educa Sisfomedia Indonesia - 2024.

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**PROJECT**

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- **Thesis** - Mercu Rank Application (Full Stack)  
Building a web-based system for selection of outstanding graduates with 5+ main features, using Bootstrap, PHP, CodeIgniter 4, LTE Admin and MySQL.
- **MSIB Independent Study** - Java Hotel Application (Back-End)  
Build a web-based hotel reservation platform backend system with 3+ main services, using ExpressJS, MySQL and API Integration.
- **Web Programming Course** - Naru Application (Full Stack)  
Build a web-based waste bank management application with 2 main views (User & Admin) using HTML, CSS, Javascript, CodeIgniter 3, LTE Admin and MySQL.

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**SKILLS**

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- **Hard Skills:** HTML, CSS, Javascript, PHP, MySQL, Bootstrap, CodeIgniter, ExpressJS, Rest API, Database Management, Manual Testing, API Testing.
- **Soft Skills:** Leadership, Communication, Problem Solving, Adaptability, Teamwork.
- **Software:** VS Code, phpMyAdmin, Oracle Database, Postman, Github, Gitlab, Microsoft Office, Google Workspace.