

# Muhammad Fadhlán

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## Summary

A highly skilled quality assurance engineer looking for a radical career change to software development. Proven track record of developing software solutions for various use cases, such as Internet of Things, SaaS, and E-commerce. Well-versed in modern technologies and framework, and have experience working across the full software development cycle. Have strong communication and interpersonal skills to ensure a highly efficient team collaboration.

## Education

### Universitas Gadjah Mada

*Bachelor of Science (Sarjana)*

*Aug 2018 - Aug 2022*

Cumulative GPA: **3.75/4.00** - Cum laude

Enrolled in the Electronics and Instrumentation (Elektronika dan Instrumentasi) program.

My thesis is related to Artificial Intelligence (Computer Vision), which is “Puppet Image Recognition Based on Bag of Visual Words Features” under the Smart System Group DCSE UGM.

## Experience

### Shopee

*Quality Assurance Engineer - Full Time*

*Mar 2023 - Present*

- Developed and automated test cases from various product feature on Shopee iOS App using XCUITest framework in Objective-C Programming Language
- Contributed to automation testing scripts for running and preparing data using Python and Django
- Responsible as the Person in Charge of final regression testing for Marketplace Chat features, Ensuring app credibility by covering 90+ test cases every week.
- Working closely with PM and Developer from cross functional teams from across the world to identify and report unwanted behavior in the product

*Junior Engineer - Full Time*

*Sep 2022 - Mar 2023*

- Enrolled in a Software Engineering training program (Digitalent), implementing a broad range of web development from Backend (Golang) to Frontend (React)
- Took the responsibility as Front-end Lead to develop an e-commerce app, using Typescript+React. Ensure a smooth development process by creating a thorough guideline for team members to follow

### Prosa AI

*Front-end Engineer - Internship*

*Feb 2022 - July 2022*

- Developed an AI-based SaaS product as a Front-end using Typescript and React

### XL Axiata

*IoT Engineer - Internship*

*Aug 2021 - Jan 2022*

- Building a full-stack web application for IoT dashboard that follows REST API principles using Next.js as Fullstack framework

## Technical Expertise

React, Node.js, Typescript, Go, HTML, CSS, JavaScript, Python, Redis, SQL, Task Automation, Bash, Shell, Objective-C

## Soft Skills

Problem Solving, Leadership, Communication, Creativity, Critical Thinking, Negotiation

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## Portfolio\*

### Learning Management System - Madrasah

2023-24

- Developed a Learning Management System Platform that supports file import/export using CSV
- Developed a feature to create school schedules with attention to logic so that schedules does not collide by creating a Calendar Component from scratch
- **Backend:** Go, Gin, PostgreSQL, Redis; **Frontend:** Next.js, React, Typescript, Material UI, React Query

### Document Annotation Application

2023

- Developed a web application that can annotate document for AI training purposes
- **Frontend:** Next.js, React, Typescript, Joy UI; **Backend:** Go

### Murakali E-commerce

2023

- An e-commerce application with features like order fulfillment, promotions, return/refund, etc.
- **Frontend:** Next.js, React, Typescript, React Query; **Backend:** Go, SQLx, Redis

### Litera News Reading App

2023

- News reading web application with digital rights management and balance system
- **Frontend:** React, Vite, Typescript, Tailwind CSS; **Backend:** Go, Gin, PostgreSQL

## Organizational Experience

- Leadership: Chairman of MPM KM UGM, Creative Coordinator at Human Rights Festival 2019
- Others: Staff at UKM Swagayugama UGM, Staff at Dewan Energi Mahasiswa UGM, External Affairs at Indonesian Climate Change Initiative, Co-facilitator at PPSMB FMIPA UGM 2019

## Achievement

- Bronze Medalist for Presentation at PIMNAS 34
- Silver Medalist for Poster at PIMNAS 34
- Student Finalist at BPK RI Hackathon 2020/21

\*) Bold text indicates that I have a significant contribution towards the project.