

Muhammad Althof Misbahhudin.

Full-Stack Developer

Malang, Indonesia

althofsalman@gmail.com

althof-portfolio-531c.web.app

github.com/Althof05

linkedin.com/in/althof-misbahhudin-1b39bb299

Computer Science student at BINUS University and software engineering intern at Telkom Indonesia. I design and build production systems end-to-end — from field-ops mobile apps to real-time ordering platforms — and ship them to real users.

EXPERIENCE

Software Engineering Intern

2026 – Present

Telkom Indonesia · Malang

- Built and shipped a **Flutter field-monitoring app** for FTTH fiber technicians, live in the field as **SIGAP**.
- Engineered a **graph-based outage-cascade algorithm** (Dijkstra over the cable network) that traces outages down to the failing segment, ported across web and mobile for parity.
- Rebuilt ODP distribution search, lifting network coverage from **33% to 99.7%**.
- Integrated live maps, in-app Street View, radius scan, and an offline-bundled design system shared between the admin web and the field app.

Flutter · Dart · JavaScript · Google Maps · Graph Algorithms · Firebase

SELECTED PROJECTS

Tavola — QR Order & POS

LIVE

2026

tavola-e5760.web.app · production for a real F&B business

- Full ordering stack from one codebase: customers scan a table QR and order from the browser (no install); staff run a **native Android POS app** (Capacitor APK).
- Real-time multi-device sync via Firestore — live orders, order editing with admin approval, stock propagation, fail-safe **thermal receipt printing**, and daily reports.

React · TypeScript · Vite · Firebase Firestore · Capacitor · Android

t2-fedora-kit

OPEN SOURCE

2026

github.com/Althof05/t2-fedora-kit · post-install kit for Fedora on Apple T2 MacBooks

- Modular, idempotent hardware fixes (audio, suspend, trackpad, Bluetooth) battle-tested on a daily-driven MacBook Pro; installer detects the exact chip via **PCI IDs**, backs up every file with automatic rollback.

Linux · Bash · systemd · DKMS

discord-mirror-bot

OPEN SOURCE

2025

github.com/Althof05/discord-mirror-bot · webhook relay across Discord channels

- Node.js service that mirrors messages across channels and servers via webhooks, with a **send queue, retry, and rate-limit backoff** so nothing drops under load — plus attachments, embeds, role mapping, dedup, and auto-reconnect.

Node.js · discord.js · Webhooks · PM2

Algorithmic Trading System

2026

Order-flow scalping engine on Binance market data

- Ingests tick & aggregated-trade streams, grades setups through a **multi-factor confluence gate** (Spike, Footprint, VSA, AMT/TPO), and delivers them to Telegram with entry/SL/TP.

Python · Pandas · Binance API · Telegram Bot

SKILLS

Languages

TypeScript

JavaScript

Dart

Python

SQL

Bash

Frontend

React

Next.js

Tailwind CSS

Framer Motion

Mobile

Flutter

Capacitor

Material Design

Backend & Data

Node.js

Firebase / Firestore

REST APIs

WebSockets

Tools & Concepts

Git

Linux

Graph Algorithms

Google Maps Platform

Figma

EDUCATION

B.Sc. Computer Science — Full-Stack Track

BINUS University

2023 — Present · Cohort B27.

Focus on web & mobile engineering, data structures, and algorithms.

High School Diploma

Thursina International Islamic Boarding School

International boarding school education, Malang.

LANGUAGES

Indonesian — native

English — professional working proficiency