

MOH. KHAIRUL UMAM

Informatics Undergraduate Student at Universitas Muhammadiyah Malang | Front-End Developer

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PROFESSIONAL SUMMARY

7th-semester Informatics student at Universitas Muhammadiyah Malang (GPA 3.9), currently interning remotely as a Front-End developer at Helden Inc (Netherlands) and previously interned as a Software Engineer at PT PLN (Persero) ULP Dinoyo, building 4 production apps. Experienced in leading teams and managing campus organizations; runs a personal homelab and enjoys experimenting with new tools. Recipient of the Bank Indonesia Scholarship (GenBI member) for two consecutive periods.

EDUCATION

Universitas Muhammadiyah Malang

Bachelor of Informatics • GPA: 3.90

2023 - Present

Malang, East Java

SMK TKJ Mambaul Ulum

Computer and Network Engineering

2020 - 2023

Kab. Sumenep, East Java

EXPERIENCE

Front-End Intern

Helden Inc (Netherlands)

Aug 2026 - Present

Remote

- Contributing to Helden Inc's front-end product codebase remotely, applying React/Next.js habits built through campus and PLN internship projects to a production codebase outside Indonesia.

Software Engineering Intern

PT PLN (Persero) ULP Dinoyo

Jul 2026 - Sep 2026

Malang

- Built Kamus PLN (an offline React Native + SQLite handbook for meter troubleshooting) and SIPIJAR (a geofenced mobile attendance app with weekly scheduling).
- Built Buku Tamu Digital (Next.js, Supabase), replacing the manual guest book with QR self-check-in, and SmartTO, a GIS dashboard scoring energy-loss risk across 50,000+ customers and ~1,000 distribution substations.

Laboratory Assistant

Informatics Laboratory, UMM

July 2024 - Present

Malang

- Co-developed and updated practicum modules, and guided students during practicum sessions.
- Led the 2025 Open Recruitment (OPREC) for Informatics Lab Assistants from planning through final selection (Nov 2024 - Jul 2025).

Secretary, INFOTECH

Informatics Laboratory, UMM

Mar 2026 - Present

Malang

- Planned, coordinated, and supervised internal and external events, and managed organizational documentation and archives.

Design Team, Creative Media

GenBI Malang Regional Coordinator

2025 - Present

Malang

- Supported visual design needs for the GenBI (Generasi Baru Indonesia) Malang Regional Coordinator community.

Additional Secretariat & Media Roles

ITCB, INFOKER (LSO Kaliber UMM), INFOTECH Social Media

Jul 2024 - Jul 2025

Malang

- Prepared meeting minutes, activity reports, and archives for several campus organizations, and managed the Informatics Laboratory UMM's social media account.

Student Council President (OSIS)

SMK TKJ Mambaul Ulum

2021 - 2022

Kab. Sumenep

- Led meetings and all OSIS members, planned and evaluated work programs, and conveyed student aspirations to the school administration.

PROJECTS

HISWA-RECRON Career Discovery Game

2026

- 1st place, Helden & Maua Hackathon (72 hours, solo) for international client HISWA-RECRON x Helden Inc (Netherlands): a career-discovery game for 2,400 recreation/watersport businesses in the Netherlands, with an offline kiosk mode and a classroom mode, built AVG/GDPR-compliant.

Role: Solo Full-Stack Developer | Tech Stack: React 19, TypeScript, Supabase, Vite PWA

Personal Portfolio Website

2026

- Professional portfolio site with a custom no-code Admin Panel/CMS and real-time GitHub API integration.

Role: Solo Full-Stack Developer | **Tech Stack:** Next.js, TypeScript, Tailwind CSS, Supabase

GenBI Malang Website 2025

- Official front-end for a community of 375 Bank Indonesia scholarship recipients across Malang, connected to a Laravel REST API backend.

Role: Front-End Developer | **Tech Stack:** Next.js, TypeScript, Tailwind CSS

Desa Sombo Website 2024

- Village website built for a community-service (PMM) program in Desa Sombo, Lumajang Regency.

Role: Web Designer | **Tech Stack:** HTML, CSS, JavaScript

IoT & Programming Learning Video Modules 2024

- Wrote IoT/video-editing learning modules for elementary-through-high-school students, plus a script for a programming learning video for the Informatics Lab UMM.

ACHIEVEMENTS

- 1st Place, UMM Hackathon — HISWA-RECRON Career Discovery Game (2026)
- Bank Indonesia Scholarship recipient, 2 consecutive periods (2024-2025)
- Top 20, Youth Economic Leadership Program (YELP) Bank Indonesia 2025
- Best Student, SMK TKJ Mambaul Ulum (2021 & 2022)

CERTIFICATIONS

- BNSP Digital Marketing
- BSSN — “Cyber Resilience Shield: Building Maturity & Capacity for Digital Defense”, 2025
- Dicoding — Introduction to AI, Cloud Practitioner Essentials (AWS), Introduction to SQL

ADDITIONAL INFORMATION

Front-End: React Native, Next.js/React, TypeScript, Tailwind CSS, Zustand, Framer Motion

Back-End: Node.js, Supabase (Postgres, Auth, RLS), REST API, SQL/SQLite query optimization (B-tree + FTSS)

Languages: Indonesian (Native), English (Basic), Mandarin (HSK 2)

Other: Runs a personal homelab and enjoys experimenting with new tools/infrastructure. Interests: reading, music, film.