



# KHAIROL 'IZZUL FIRDAUS BIN KHAIROL HISAM

## TECH PROJECT COORDINATOR

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## SUMMARY

I am a tech driven **project lead** with experience managing **software**, **XR** and **IoT** projects for Malaysian clients including a government and higher education institutions. Comfortable taking a project from idea to deployment, gathering requirements, planning timelines, coordinating small teams and running UAT with non technical stakeholders. Strong background in computer science, QA and teaching with proven leadership as college student president and program director. Open to project manager or project coordinator roles in Malaysia and remote opportunities.

## SKILLS

### Project management:

- Project planning, simple Gantt timelines and task breakdown
- Requirement gathering and user stories
- Preparing basic documentation and reports
- Risk and issue tracking
- UAT planning and user training
- Client communication and stakeholder coordination

### Tools

- Microsoft 365, Google Workspace
- Notion, Jira
- Git and GitHub
- Figma, Visual Studio Code

### Technical knowledge

- **Web basics:** HTML, CSS, JavaScript
- **Programming:** Python, Java, C++, C#, PHP, TypeScript
- **Databases:** MySQL, PostgreSQL, MongoDB, Firebase
- Solid understanding of **AI**, **IoT**, **XR** and automated testing with **Selenium**

### Soft Skills:

- Leadership, adaptability and teamwork
- Strong communication and organizational skills
- Attention to detail and multitasking

## EDUCATION

### Bachelor of Computer Science (Graphic and Multimedia Software)

Oct 2021 - Sep 2025

#### With Honours

University of Technology Malaysia (UTM)

- President of Jawatankuasa Mahasiswa Kolej Dato' Onn Jaafar (JKM KDOJ)
- FYP: EcoAirDrive (A Real Time Temperature and CO/CO<sub>2</sub> Monitoring System)

### Pre-Degree in Biology and Computing Science

Aug 2020 - May 2021

Perak Matriculation College (KMPK)

- President of Peer Assistance Learning (PAL) Leader

## WORK EXPERIENCE

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### **Co founder / Project Manager | Software solutions startup | Sep 2025 - Present.**

- Co founded a small company that builds software for SMEs and public sector clients.
- Managed projects for inventory and simple management systems for local businesses.
- Led a web system project for **Majlis Perbandaran Hulu Selangor**.
- Met with clients to understand needs, planned the work, then followed up until delivery.
- Assigned tasks to developers and designers, checked progress and handled deployment.

### **Freelance Software Developer | Various clients | Jan 2023 - Aug 2025**

- Built small systems such as websites, landing pages and simple management systems.
- Acted as **project manager** for SmartAC Vehicle Training Unit with **Politeknik** as industry partner.
- Coordinated with lecturers on features, timeline and demo sessions.
- Explained technical limits in simple language so that non technical clients could decide.
- Prepared simple documents such as user flow, basic diagrams and user guides.

### **Intern, Quality Assurance | Razer Inc | Oct 2024 - Feb 2025**

- Tested website features to check they work as expected.
- Wrote and ran **Selenium** automated tests for main flows.
- Reported bugs and rechecked after fixes.
- Learned how a real tech team works with code reviews and CI.

### **Part Time Tuition Teacher | PT Intelek CG | Oct 2022 - June 2024**

- Taught **Mathematics** and **Additional Mathematics** to high school students.
- Became a substitute teacher for **Science, Biology, Chemistry and Physics**.
- Prepared notes, exercises and revision classes for exam preparation.
- Improved communication skills by explaining hard topics in simple steps.

## SELECTED PROJECTS

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### **e-Stiker OKU MPHS Online Application System**

Role: Project manager and developer

- Built an online system for OKU sticker applications for **Majlis Perbandaran Hulu Selangor**.
- Collected requirements from officers and turned the manual form process into an online flow.
- Designed user roles, application form, status tracking and simple reports.
- Planned tasks for the team, followed the progress and supported **UAT** with staff.

### **SmartAC Vehicle Training Unit**

Role: Project Manager and developer

- Built a training unit to help TVET students learn vehicle air conditioning.
- Combined **AR** content and **IoT control** in one system.
- Planned features with **Politeknik** lecturers and managed the timeline.
- Prepared demo and slides for presentation to industry partners.

### **EduZen Learning Assistant (AI Web System)**

Role: Project manager

- Led a project that helps students generate notes, summaries and quiz questions using **AI**.
- Planned the main features, user flow and simple UI for students and teachers.
- Coordinated developers to integrate **OCR**, text summarisation and quiz generation into one platform.

### **EcoAirDrive: Real Time Temperature and CO/CO2 Monitoring System**

Final Year Project

- Created an **IoT** system to measure temperature and gas level inside a car.
- Planned project scope, hardware list and software tasks.
- Collected data and presented results to academic panel.

## **LEADERSHIP EXPERIENCE**

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### **President of Jawatankuasa Kolej Mahasiswa Kolej Dato Onn Jaafar (JKM KDOJ)**

UTM, Session 2023 - 2024

- Led the student council for the college.
- Planned yearly activity calendar with committee.
- Managed program budgets and reports.

### **Program Director, Global Outreach Program Taiwan**

- Led a group to Taiwan under Computing Faculty.
- Coordinated activities with Feng Chia University.
- Managed schedule, logistics and safety for participants.

### **Director, Pemantapan JKM KDOJ 2024**

- Planned a series of programs with KKTM Lenggong.
- Activities included cave exploration, CSR at Masjid Al Hamidiah and team building.
- Handled logistics, safety plan and coordination with partners.

### **Person in Charge, UTMGames for KDOJ (2023 and 2024)**

- Coordinated sports participation for the college.
- Found coaches, sport PICs and managed athlete registration.
- Managed simple budget and claims for games.

### **Other positions**

- President, Peer Assistance Learning (PAL) KMPK Session 2020/2021
- Program Director, Annual Grand Meeting (AGM) for CGMA 2023
- Secretary, Experiential Development Program 2024
- Head of Protocol, Malam Pra Graduan 2024
- Head of Technical, First Year Experience 2024
- Head of Activity, Boxtroll 2023
- Head of Activity, CGMA Interactive Day 2022
- Head of Sponsorship, Computing Gala 2023

## **AWARDS AND ACHIEVEMENTS**

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### **Varsity Challenge 2025, Champion**

- Led a team to build an AI system that creates personalised study plans, quizzes and summaries from the user's study materials.

### **Symposium Iskandar Puteri Low Carbon Monitoring and Management System, 1st Runner Up**

- Developed a system to monitor and manage carbon emissions for better environmental planning.

### **Anugerah Kepimpinan Graduan Pelajar UTM**

- University level award for leadership and contribution as a student leader.

### **Microsoft ASEAN AI for Accessibility Hackathon 2024, 2nd Runner Up**

- lead team in making "ZIVA", an early intervention system for children with autism.

### **StartUp 2024 by UTM, 1st Runner Up**

- Built a timetable management system with AI features for UTM.

### **Deriv AI Hackathon 2025, Highest Likes in Social Media**

- Created a fraud detection chatbot for the D2P2 platform.

### **Google AI KitaHack Top 10 Finalist (Google MY)**

- Got top 10 with over 600+ participants across Malaysia.

### **Tokoh Pelajar Lelaki 2018, Anugerah Khas Kokurikulum**

- Recognised for overall achievement and co curricular activities at school.

### **World Robot Olympiad Malaysia 2018, 2nd Runner Up**

- Designed and programmed a LEGO Mindstorms robot to complete a set task.

## CERTIFICATES

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### Certificate in Data Visualization by Kaggle

2024

- Master machine learning essentials, including handling missing values and categorical variables, building pipelines for model deployment, implementing cross-validation for robust testing, utilizing XGBoost for accurate modeling and addressing data leakage to ensure model integrity.

### Certificate in Intermediate Machine Learning by Kaggle

2024

- Master data visualization techniques, from line charts to scatter plots, through tutorials and exercises, and learn to create impactful visualizations for real-world applications.

### Certificate in Microsoft 365 Fundamental Specialization by Coursera

2023

- Comprehensive training program designed to provide essential knowledge and skills in using Microsoft 365 productivity tools and cloud services.

### Certification in AWS Academy Cloud Foundations by AWS

2021

- Learned the foundational understanding AWS technologies and cloud computing

## LANGUAGES

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|-------------------------------------|--------------------------------|
| • Bahasa Malaysia - <b>[NATIVE]</b> | • Bahasa Dusun - <b>[GOOD]</b> |
| • English - <b>[GOOD]</b>           | • Japanese - <b>[BEGINNER]</b> |

## REFERENCES

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Available upon request