

Muhammad Khairi bin Boyani

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[Portfolio](#) | [LinkedIn](#) | [Github-Portfolio](#)

CAREER SUMMARY

I am transitioning into full-stack development, bringing a strong foundation built from extensive experience working directly with users, projects, and production workflows across technical drafting, print, and design. My career has consistently focused on translating ideas and requirements into practical, reliable outcomes—an approach that naturally extends into software development. I am currently building full-stack capabilities in JavaScript, Node.js, and SQL, with a strong interest in front-end engineering and UI, where my experience in visual design, user needs, and structured project execution translates directly into clean, purposeful code.

TECH SKILLS

- **Front-End & UI:** HTML5, CSS3, JavaScript, Bootstrap
- **Back-End & Data:** Node.js, SQL, REST APIs, Java
- **Tools & Workflow:** Git, GitHub, Postman, Miro
- **Design & Prototyping:** Adobe Creative Suite, Figma (basic), Canva

PROFESSIONAL DEVELOPMENT

TEMASEK POLYTECHNIC (IN PARTNERSHIP WITH MICROSOFT)

JUNIOR FULL STACK DEVELOPER PROGRAM TRAINEE

Nov 2025 – Feb 2026

A 12-week intensive focused on building functional web applications. The curriculum is built around projects that require both front-end logic and back-end integration, which suits my learning-by-doing approach.

How I work and What I've built

[MicroEdge Academy Micro Learning Portal](#) - (Team of 4 | Full-Stack | In Progress)

Capstone project: developed an online micro-learning platform designed to help learners acquire skills essential to their specific workplace roles.

My Role & Decisions: As the **UX bridge and front-end lead**, I set up our team's collaboration space and led wireframing to align our vision. I guided the front-end build by ensuring our Bootstrap components and JavaScript functions aligned precisely with our wireframe, eliminating UI ambiguity for the team.

Outcome & Value: Having a stable, designed front end early allowed our team to shift focus to back-end planning without UI uncertainty. We accelerated directly into designing the required database schema and API structure, keeping development parallel and intentional from the start.

[Scholarly Soul](#) - (Solo Project | Front-End Focus)

My Role & Decisions: I designed and built this to practice mobile-first, accessible development. I chose JavaScript to strengthen core logic skills, avoiding frameworks for this learning goal.

Outcome & Value: The app is fully responsive, performs smoothly on all devices, and uses semantic HTML — demonstrating both my understanding of inclusive design principles and my skill in implementing them.

[Colmar Academy](#) - (Capstone Project | HTML & CSS)

My Role & Decisions: I built this responsive landing page from scratch to master core front-end fundamentals. I decided to use semantic HTML for structure and pure CSS (Flexbox) for layout, deliberately avoiding frameworks to ensure I understood how responsive behaviour works at the base level.

Outcome & Value: The result is a fully functional, multi-section website that renders perfectly across all device sizes. This project proved I could translate a design into clean, maintainable code and gave me confidence in controlling layout and styling precisely—a foundational skill for any front-end work.

WORK EXPERIENCES

Desktop Publisher – [Pristine Print](#)

SEPT 2017 - MAR 2025

- Spearheaded the company's digital transformation by revamping the online presence and integrating web-based order systems, leading to a 10% increase in online engagement and sales inquiries.
- Applied UX methodologies (user research, journey mapping) to product development, ensuring a seamless client experience from inquiry to delivery.
- Streamlined internal workflow processes by implementing digital project tracking, improving project completion rates by 15% during critical phases.
- Created digital assets and promotional materials to expand online reach and support brand visibility

Head of Drafting – [Kiso Jiban Consultants Co. Ltd.](#)

SEPT 2000 - AUG 2017

- Led and coordinated drafting workflows for large infrastructure projects, ensuring timely output and quality compliance
- Maintained high accuracy in technical drawings, a skill transferable to code quality, documentation clarity and version control
- Collaborated with engineers and project teams to meet deliverables within schedule and quality expectations

EDUCATION

Nanyang Technological University

Advanced Professional Certificate in Digital Marketing

AUG 2024 - JAN 2025

NTUC Learning Hub

Certificate in Associate Data Analysis

JAN 2023 – JULY 2023

Vertical Institute

UX Design Bootcamp

MAY 2022

Coleman Creative Centre – Blackburn College

Diploma in Graphic Design

SEPT 2001 – SEPT 2003

Nanyang Polytechnic

Diploma in Mechatronics Engineering

JUNE 1994 – MAY 1997