

# WONG QIAO YING

Iskandar Puteri, Johor | [wongqiaoying@gmail.com](mailto:wongqiaoying@gmail.com) | +60 12-248 2363 | [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

## PERSONAL STATEMENT

---

Computer Science graduate with experience in full-stack software development, real-time systems, and backend integration through internship and freelance projects. Skilled in building scalable web and mobile applications using TypeScript, Django, REST APIs, Redis, and cloud technologies.

## WORK EXPERIENCE

---

### Software Developer Intern | DF Automation & Robotics Sdn Bhd Sep 2025 - Jun 2026

- Contributed to the development of DFleet Mobile Application, a real-time fleet monitoring system for Autonomous Mobile Robots (AMRs) in industrial automation environments.
- Developed cross-platform frontend features using SvelteKit and Cordova to support live robot monitoring, task tracking, and operational dashboards.
- Designed and integrated Django REST APIs supporting real-time task coordination and backend communication workflows.
- Enabled real-time synchronization of AGV statuses and operational events through WebSocket-based communication systems.
- Implemented Firebase Cloud Messaging (FCM) notifications to improve visibility of operational alerts and task milestone updates.
- Developed geofence management and task coordination functionalities to support location-aware industrial workflows.
- Troubleshoot frontend/backend integration issues while supporting testing and deployment of automation software features.
- Collaborated with software and robotics engineers using Git and Linux-based development environments in an agile development workflow.

### Freelance Web Developer Nov 2025 - Present

- Delivered production-ready systems for business clients using Next.js, TypeScript, Tailwind CSS, and Supabase.
- Implemented backend functionalities including authentication, database integration, CRUD operations, and cloud storage management.
- Developed bilingual production websites with internationalization (i18n) support and SEO optimization to improve accessibility and search visibility.
- Managed deployment workflows using Vercel and cloud-based hosting platforms.
- Collaborated directly with clients to gather requirements, propose technical solutions, and deliver customized systems.
- Built reusable UI components and scalable frontend architectures to improve maintainability and development efficiency.
- Selected project: [Diamond Golf Zon](#)

## PROJECT EXPERIENCE

---

### Spaceo - Service Marketplace Mobile Application (Ongoing)

- Developing a scalable cross-platform mobile application using SvelteKit, TypeScript, and Capacitor.
- Architecting backend services using NestJS, Prisma ORM, and Supabase for authentication, database management, and API development.
- Implementing modular frontend architectures with reusable UI components and responsive mobile interfaces.
- Designing role-based workflows, service categorization systems, and booking functionalities for marketplace operations.

- Applying modern software engineering practices including API abstraction, scalable system structuring, and relational database normalization.
- Managing frontend-backend integration and cloud-based application workflows for maintainable full-stack development.

**International Research Collaboration - International Marathon Sentiment Analysis** **Nov 2025 - Present**

University of Technology Malaysia & University of Melbourne

- Developing data collection and preprocessing pipelines for sentiment analysis datasets.
- Applying Natural Language Processing (NLP) techniques to analyze large-scale textual data.
- Conducting exploratory data analysis to identify patterns in audience engagement and public opinion.
- Assisting in structuring research data for further statistical and predictive analysis.

## EDUCATION

---

**University of Technology Malaysia** | Skudai, Johor

**Oct 2022 - Sept 2026**

Bachelor of Software Engineering (Data Engineering) with Honours

- CGPA: 3.90/4.00
- Relevant Coursework: CRUD System Development, Database Management, Agile Project Management, Software Architecture Design, ETL Pipeline, Big Data Analysis

## Certification

- AWS Cloud Practitioner | AWS | 2025
- Alteryx Designer Core | Alteryx | 2025
- Microsoft Azure Fundamental | Microsoft | 2023

## TECHNICAL SKILLS

---

- **Languages:** TypeScript, JavaScript, Python, SQL
- **Frontend:** SvelteKit, Next.js, Tailwind CSS, HTML, CSS
- **Mobile:** Capacitor, Cordova
- **Backend:** Django REST Framework, NestJS, RESTful APIs, WebSocket
- **Database & Cloud:** PostgreSQL, Supabase, Prisma ORM, Redis, AWS, Vercel
- **Tools & Technologies:** Git, Linux, Firebase Cloud Messaging (FCM), Apache Spark, Apache Kafka
- **Concepts:** Full Stack Development, Real-Time Systems, System Design, SEO Optimization, Agile Development