

Teoh Jia Jing

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A Mechatronics Engineering graduate with a First-Class Honours degree, with a strong passion for software development.

PROFESSIONAL EXPERIENCE

ViTrox Agritech Sdn. Bhd.

Industrial Trainee

Batu Kawan, Penang

Oct 2023–Jan 2024

- Developed a comprehensive web application using Nuxt and Tailwind, demonstrating expertise in full-stack web development.
- Ensured cross-platform usability, optimizing the application for both mobile and desktop environments, enhancing user accessibility.
- Implemented IoT sensor data visualization, providing users with real-time insights into sensor data for informed decision-making.
- Implemented OAuth 2.0 authentication, prioritizing security measures for user data protection.

ViTrox Agritech Sdn. Bhd.

Software Developer (Part Time)

Batu Kawan, Penang

Jan 2024–Present

- Designed a desktop application for Irrigation automation control using Nuxt, Tauri running on a Raspberry Pi.
- Implemented web application control, whilst maintaining local-first principles with automation software.
- Provided guidance for team to develop features for software with best practices.

Studio Twenty Sdn. Bhd.

Backend Developer

Bangsar, Kuala Lumpur

Mar 2024–Present

- Collaborate directly with clients to gather requirements and recommend technology stacks to meet project objectives.
- Employ tools such as Docker, Vercel, and Netlify for efficient deployment, containerization, and hosting of scalable applications.
- Analyze project needs and align development strategies with best practices, optimizing for performance, security, and maintainability.
- Extensive experience with a wide range of technologies including Nest.js, Next.js, React, Elysia.js, and Bun, applied across diverse projects to deliver high-quality software solutions.

EDUCATION

Universiti Tunku Abdul Rahman (UTAR)

Bachelor of Mechatronics Engineering with Honours,
1st Class Honours (CGPA: 3.73/4.0)

Cheras, Selangor

Jan 2024

National Taipei University of Technology (NTUT)

The New Southbound Policy Elite Study Program

Taipei, Taiwan

Jan 2023

AWARDS

- IEEE Innovation Malaysia 2nd Runner Up, working on a vein finder device.
- DBSnbiz Global Startup 2nd Runner Up, working on a vein finder device startup competition in South Korea.
- Greatech Award for Innovative Excellence Bronze Award, for the design of automated assembly machine.