



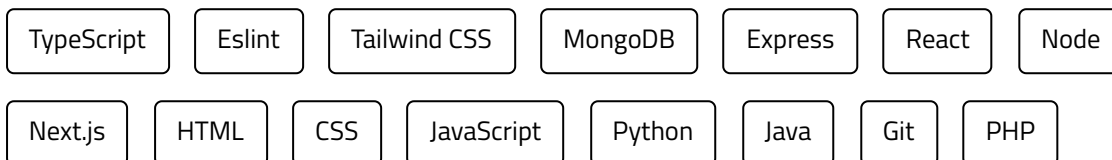
# Ng Jian Hwa

## Full Stack Web Developer

Edwin Ng @notedwin-dev notedwin.codes@gmail.com

+60 12 488 6612 Kuala Lumpur, Malaysia notedwin.dev

### </> Skills



### Professional Experience

#### A Serious Company

10/2024 – 02/2025

Full Stack Developer - Full Time Contract

Kuala Lumpur,  
Malaysia

Led the development of SuDu.AI v2, an AI-powered ERP integrated with SQL Accounting Software. Collaborated with stakeholders, managed a dev team, and delivered scalable, production-ready features.

#### Key Responsibilities:

- Led a team of developers, reviewed code, and mentored interns to ensure quality and consistency.
- Collaborated with stakeholders to define clear project goals and deliverables, ensuring alignment with business needs.
- Contributed to system architecture design, focusing on optimizing scalability and performance to meet evolving business demands.
- Mentored junior developers and interns, fostering a collaborative, growth-oriented environment.
- Developed and implemented testing frameworks to ensure code quality and reduce deployment-related issues.
- Collaborated with Business Analysts and Product Manager to ensure technical solutions met user and business requirements.
- Identified process improvements, including the automation of workflows and refinement of version control practices, leading to increased team efficiency.

#### Key Achievements:

- Refactored backend modules into TypeScript and ensuring best practices, and rewriting frontend components that resulted in a 30% improvement in application load times and enhanced system performance.
- Established coding standards and guidelines that streamlined development processes and improved codebase consistency.
- Delivered critical features within deadlines while ensuring a high standard of quality.


#### Technical Contributions:

- Developed reusable components that became integral to the product, enhancing development speed and consistency.
- Implemented secure user authentication and role-based access control systems, ensuring data security and regulatory compliance.
- Optimized database performance through advanced indexing techniques and query optimization using Prisma ORM and PostgreSQL.
- Designed and configured CI/CD pipelines, automating deployment processes and reducing time-to-market.
- Built custom middleware in Express.js to streamline API request handling and improve overall security.
- Provided technical guidance to team members, resolving complex coding challenges and ensuring smooth project progress.

**Tech Stack:** Vue.js, TypeScript, Express.js, Prisma ORM, PostgreSQL, Redis, TailwindCSS, Git

07/2024 – 10/2024

Full Stack Web Developer - Intern

During my internship, A Serious AI (Sdn. bhd.) started to build the first version of Sudu.A  I & migrated our prototype's backend codebase and worked on top of it.

Kuala Lumpur,  
Malaysia

#### Key Achievements:


- During this internship, I showed a strong leadership and technical skills that gave me the opportunity to lead a team of newcomers.

#### Technical Contributions:

- Worked closely with the team to resolve all the pending issues in the issue logs to prepare for the Version 1 release
- Suggested and implemented caching methods such as indexedDB (client-side) and Redis (server-side) to accelerate page load performance & API calls response time.
- Developed the Progressive Web Application (PWA) version of our web application by working closely with UI/UX team and Business Analyst who was also involved in designing the system architecture.

04/2024 – 07/2024

Full Stack Web Developer - Part Time

During my part time at A Serious AI (Sdn. bhd.), we were finalizing our first prototype version of SuDu.AI , an Enterprise Resource Planning (ERP) system for our client at Twin Arrow Fertilizer (Sdn. Bhd.)

My main tasks were to complete the Vendor and Customer Module's backend database model and implement API methods using Prisma ORM in Node.js

Kuala Lumpur,  
Malaysia

## Projects

11/2023 – 01/2024

### APHub: a Quiz and Social Media Website

Full Stack Web Developer

- Designed the wireframe of APHub using Figma.
- Implemented Authentication System of APHub using PHP.
- Developed APHub using HTML, CSS and JavaScript for client-side scripting and PHP for server-side scripting.
- Led a group of 4 members in this group assignment project.
- Planned project timeline and fixed deadlines to ensure that we're on track.
- Assisted in fixing syntax errors and bugs that occurred during development.
- Wrote detailed documentation and code comments for my group members to have better understanding of the code.

09/2023 – present

### DevOverflow

Full Stack Web Developer

- Built a Full Stack Web Application using **Next.js 13** App Routers, **MongoDB**, **TailwindCSS**, **TypeScript** and **Redux** with **feature consisting of**:
  - **Authentication flow** using Clerk, an authentication and user management system.
  - A **recommendation system for posts**
  - **Global database data-fetching**
  - **Badge & Reputation System**
  - **Views and Voting Mechanism**
  - **Filter and Pagination** for all pages
- **Implemented site optimization** scoring in Google Lighthouse with a **fascinating 99%** for **performance**, **100%** for **SEO**, **97%** for **accessibility** and **93%** for **best practices**.

06/2023 – 08/2023

### Hotel Reservation System

Python Developer & Team Lead

- **Demonstrated the ability to fulfill** most of the **project requirements requested by clients** by developing a working Python program.
- **Demonstrated leadership skills by leading a team of 4 members**
  - **Planned, provided clear and feasible instructions for how the project should be done** and **distributed equal amount of tasks** amongst the team.
  - **Guided team members** who are still inexperienced with Python programming by explaining basic concepts thoroughly.
- **Result: GPA of 3.7 (Distinction) in the Programming With Python Module.**

10/2022 – present

### Next.js and React.js Portfolio Website

Front-end Web Developer.

- Challenged myself to create a portfolio website using Next.js and delivered the website **within 2 weeks**.
- **Responsiveness: Increased page responsiveness by 20%** after optimizing the home page.
- **Accessibility**: Made **20 out of 30 UIs** clickable and interactive. Added the ability to switch between dark mode and light mode.
- **Readability**: Translated the page into **two main languages: English and Chinese (Simplified)**.

**Result:** The website has been **visited 50,000 times by recruiters and strangers** from UK, US, India and Malaysia.

11/2022 – 11/2022

### Slack-to-Discord Chat Relay System

Discord Bot Developer

- Implemented **MongoDB as database** for storing message history from Slack and check against Discord's message history to **prevent data redundancies**.
- Managed to **scrape a private Slack workspace by mocking user logins using browser cookies** with the help of **slack-web-scrapper on GitHub** [🔗](#) that I have contributed and fixed some bugs while working with it.
- Implemented threads feature in Discord that relays threads messages from Slack.

**Result: Delivered the project within 4 days back to alanhuynh12 on Fiverr** [🔗](#) **and received a 5 star review on my gig** [🔗](#) .

06/2022 – present

### @notedwin/autocode-discordjs [🔗](#)

Contributor and Developer.

- Collaborated with the main developer to make code reviews, tests, and deployments.
- Wrote detailed documentations for the repository, and implemented new classes and functions to improve user-friendliness.
- Reviewed and refined the original source code for easier use of the library.

**Result: 24.7% of Autocode users successfully utilized autocode-discordjs in Autocode's serverless environment to develop Discord bots.**

04/2022 – present

### Serverless Discord Bot Web Dashboard

Full Stack Web Developer & Team Lead

- Worked collaboratively in real-time with my team by using Autocode's live code editor and **improved the team's work efficiency by 35%**.
- Implemented the database system that is currently **storing 25,000 users** discord basic identifier information.
- **Decreased website downtime by 85%** by reviewing codes & fixing bugs with my team before pushing changes.

**Result: Successfully deployed the fully-featured web dashboard after 2 months of development.**

09/2021 – 10/2022

### Discord WebSockets [🔗](#)

API Developer and Repository Owner

- Implemented the Discord gateway to help users easily build their next discord library.
- Wrote detailed documentations for easier understanding of the written code.
- Included detailed instructions for how to customize the project for better usability.

**Result: Used in 5 private Discord Bots for simplifying the connection to Discord's web socket.**

## Education

02/2025 – 2027

### Asia Pacific University of Technology and Innovation [🔗](#)

Degree in Software Engineering

07/2022 – 07/2024

### Asia Pacific University of Technology and Innovation [🔗](#)

Diploma in ICT with specialism in Software Engineering

## Mentorship

08/2021 – present

### Online Coding Support

Remote

- **Provided help for over 500+ people and counting, with the following topics.**
  - **Frontend** (HTML, CSS, JavaScript, Next.js)
  - **Discord Bot Development** (Discord.js, Discord REST API, Autocode's Discord Library)

02/2024

### Coding Bootcamp Tutor

SMK(P) Pudu,  
Kuala Lumpur

- **50 students** at **SMK(P) Pudu** registered for my course on Getting Started with Full Stack Web Development.

## References

**Jacob Lee,**  
*Former Co-Founder and CTO at Autocode, Founding Software Engineer,*  
Langchain  
jacoble93@gmail.com

**Keith William Horwood,** *Former Founder and CEO,*  
Autocode  
keith@autocode.com

## Languages

English • Chinese • Cantonese • Malay