

Patrick Kwon

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SUMMARY

A results-driven and adaptable **Full-Stack Software Engineer** passionate about building scalable systems, automation workflows, and production-ready applications. Experienced in developing corporate and SaaS systems, leading projects from design to deployment, and aligning technical solutions with stakeholder goals. Proven success in full-stack leadership, hardware-software integration, and client collaboration — from delivering enterprise automation at **Wings Group** to creating SaaS and web products for clients across Southeast Asia and China. Entrepreneurial, fast-learning, and committed to engineering solutions that make real-world impact.

WORKING EXPERIENCE

PT Sayap Mas Utama (Wings Group) – Cakung, Indonesia

Software Engineer (Feb 2024 – Present)

- Develop and optimize internal systems across departments to enhance workflow efficiency and reliability.
- **Built the kiosk system for Indonesia's first automated noodle-making robot**, integrating real-time hardware and software to create a seamless self-service experience.
- **Delivered 120+ Jira tasks for change requests and new initiatives**
- Collaborated cross-departmentally to translate operational needs into technical requirements and scalable internal solutions.

Projects:

Indonesia's First Automated Noodle-Making Robot

Developed the **self-service kiosk system** powering **Indonesia's first fully automated noodle-making robot**. The system connects the **customer interface**, **backend order management**, and **robot control hardware** into one seamless experience.

As the lead engineer for the kiosk software, I designed and implemented:

- **Real-Time Hardware Communication** – enabled two-way data exchange between the kiosk system and robot controller for precise order processing and queue synchronization.
- **Order and Workflow Automation** – automated payment validation, recipe selection, and task sequencing to reduce manual staff intervention.
- **User Interface & Experience** – created an intuitive, multilingual touch-screen interface optimized for high traffic and ease of use.
- **System Reliability & Monitoring** – integrated health checks and fault recovery mechanisms to maintain consistent uptime during continuous operation.

PT Udio Mind Master – Remote

IT Consultant (Dec 2022 – Feb 2024)

- Led end-to-end development of **Produs**, a CRM and motivational SaaS for **Vision Corporation**, **Southeast Asia's largest insurance agency with 5,000+ marketers**.
- Improved app load performance by **40%** and achieved **50% stakeholder adoption** post-launch, following a live demo to **3,000+ attendees**.
- Streamlined agent workflows through automation and productivity tools, resulting in **70% increase in leads managements and productivity**

Projects:

Produs – CRM SaaS for Vision Corporation

Developed a **customer relationship and performance management platform** that unified sales automation, recruitment pipelines, and learning management in one ecosystem (produsboost.com).

Core modules included:

- **Lead Scoring & Segmentation** – prioritized high-conversion prospects using weighted scoring algorithms.
- **Automated Workflow Integration** – connected Google Calendar and Tasks for seamless follow-up reminders.
- **Collaboration & Performance Dashboards** – enabled team leaders to track metrics, progress, and productivity.
- **Learning Hub & Content Library** – delivered structured self-development materials for sales teams.

PT Kuda Laut Aksesoris Mobil Indonesia (Iconnie) – Remote

Freelance Developer (Dec 2023)

- Built a **premium company profile website** for a Chinese automotive brand expanding to Indonesia, helping establish its digital presence and credibility among local partners. Delivered a responsive, animated, and modern design using **Next.js**, **Framer Motion**, and **Tailwind CSS**, positioning Iconnie as a professional international brand.

Projects:

Iconnie – Premium Company Profile Website

Developed a **corporate storytelling platform** highlighting the company's products, vision, and milestones. The site combined motion design and responsive layouts to position Iconnie as a trusted international brand. (<https://iconnie-company-profile.vercel.app/>)

FORMAL EDUCATION

Binus University

Bachelor of Computer Science | GPA: 3.86/4.0

SKILLSET

- **Programming Languages:**
TypeScript, PHP, Java, SQL, JavaScript
- **Frameworks & Libraries**
Next.js, NestJS, React, React Native, Prisma ORM, Joomla!
- **Databases:**
MySQL, PostgreSQL, MongoDB
- **Tools & Technologies**
VS Code, Figma, Git, Postman, Jira
- **Domains**
SaaS Development, Automation Systems, Hardware Integration, UI/UX Design, Web & Mobile Apps

LANGUAGE

- **Indonesian** – Native
- **English** – Professional Proficiency

ACHIEVEMENTS & AWARDS

- **Wings Scholarship Awardee** – Full scholarship and guaranteed employment at Wings Group.
- **3rd Place – BNCC Technoscape Hackathon 6.0 (2023)** – Built a banking web app in 48 hours.
- **1st Winner – UI/UX Competition Tech Fest 2022** – Designed a smart farming app aligned with UN SDGs.

CERTIFICATION

- Certificate of Completion – **Wings Internship Program**, Wings Group Indonesia (2025)
- JavaScript Algorithms and Data Structures – **freeCodeCamp** (2022)
- Certificate of Completion – **Core Initiative Backend Virtual Internship**, Rakamin Academy (2021)
- Belajar Machine Learning untuk Pemula – **Dicoding Indonesia** (2022)
- Belajar Membuat Front-End Web untuk Pemula – **Dicoding Indonesia** (2022)
- Virtual Experience Program Participant – **Forage** (2022)
- JavaScript – **Sololearn** (2022)