

# Jukkapan Kongjun

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## About

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Results-driven Automation Engineer transitioning into Full Stack Web Development, leveraging a strong technical background in industrial automation and web development. Experienced in managing complex projects from initial design to final implementation, with a focus on building scalable, efficient web applications.

## Experience

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### Rieckermann

Automation Engineer

Samut Prakan, Thailand

Aug '19 - Feb '24

- Led automation projects to improve factory operations and ensure production efficiency.
- Diagnosed and resolved machine issues, minimizing downtime.
- Supported the sales team with technical insights, aligning solutions with client needs.

## Education

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### King Mongkut's Institute of Technology Ladkrabang

Bachelor of Engineering (BEng) | Instrumentation Engineering | GPA: 2.77

Aug '19

## Projects

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### Turnixx – Full-Stack Book Exchange Platform

Sep '24

Developed a Full-Stack Book Exchange Platform using React, TypeScript, and Node.js

- Developed a full-stack book exchange platform integrating OpenLibrary API.  
Built frontend UI with React and TailwindCSS, managing state with Zustand.  
Overcame challenges in backend integration by switching to Prisma for database management, improving efficiency.

### Betterpharma Dosa (SCADA System Migration from XP to 11)

Dec '23

Migrated SCADA System from Windows XP to Windows 11 for Batch Control and Reporting

- Led migration of a batch control system from Windows XP to 11, adapting outdated Delphi programs and converting communication protocols from Profibus to Profinet.  
Coordinated with cross-functional teams to ensure the system was fully operational, minimizing factory downtime.

### CPF - Betain (Fluid Measurement and Control System)

Sep '23

Developed Fluid Measurement System with Vue 3, Node.js, and Quasar for Real-Time Monitoring

- Developed a fluid measurement system with real-time monitoring, using Vue 3 for the frontend and Express for the backend API.  
Switched from Vuetify to Quasar for better compatibility, enhancing performance and UI responsiveness.

## Skills

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TypeScript · React.js · Node.js · HTML · CSS · MySQL · Microsoft SQL Server · Express.js · PLC Programming · PLC Siemens · Industrial Automation · SCADA · Siemens Tia Portal · HMI Programming · Automation · Servo Drives · Debian · SVG · Vue · PostgreSQL · Express · Git