

# 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.

## 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

## 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- Led migration of a batch control system from Windows XP to 11, adapting outdated Delphi programs and converting communication protocols from Profibus to Profinet.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.

## Experience

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### Rieckermann

Samut Prakan, Thailand

Automation Engineer

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

Aug '19

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