

# INGGIS KURNIA TRISIAWAN

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Technical Consultant in the IT industry with 5+ years of prior experience as a System Engineer in industrial automation. I combine strong OT and IT expertise to deliver impactful and scalable data-driven software solutions.

## Work Experiences

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### PT Digital Data Integrasi - Jakarta, Indonesia

Jun 2025 - Present

#### Technical Consultant (Software Engineer)

An IT consulting firm specializing in designing and delivering analytics solutions to help organizations make data-driven decisions

- Develop and maintain backend services using NestJS with integration to Neo4j graph databases for relationship-driven analytics.
- Design graph data models and optimize Cypher queries to improve performance, scalability, and data accuracy.
- Build interactive dashboards and analytical interfaces using React, delivering actionable insights to end-users.
- Collaborate with clients to understand business needs and translate them into technical specifications and system improvements.
- Ensure reliability through testing, debugging, and production support across backend and frontend components

### PT. Control Systems Arena Para Nusa - Jakarta, Indonesia

May 2019 - Aug 2024

#### System Engineer (Automation Engineer)

Specialized in implementing industrial automation systems, bridging industrial process control with software integration and optimization

- Led a team of 2–3 engineers to deliver software and hardware control systems for multimillion-dollar industrial projects
- Designed and implemented DCS automation systems to optimize factory workflows in oil & gas, and chemical sectors.
- Configured predictive maintenance systems to improve uptime and reduce operational risks.
- Work directly with clients to gather requirements, provide technical solutions, and conduct post-deployment training sessions.
- Create detailed engineering documentation including system architectures, software logic design, test plans, and startup procedures.

## Educations

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### Purwadhika Digital Technology School

Aug 2024 - May 2025

#### Non-Degree, Software Engineering, 91.92/100.00

- An intensive software engineering bootcamp focused on building full-stack app using Java (backend) and TypeScript (frontend).

### Universitas Mercu Buana - Jakarta, Indonesia

Aug 2019 - Feb 2021

#### Bachelor of Electrical Engineering, 3.52/4.00

- Thesis: Multi-Label Image Classification for Water Bottle Inspection using CNN.
- Awards: Gold Award & Special Recognition from MyRIS, WINTEX 2020.

### Politeknik Negeri Jakarta - Depok, Indonesia

Aug 2015 - Aug 2018

#### Diploma 3 of Electrical Engineering, 3.38/4.00

- Final Project: SCADA-Based Water Distribution System with IoT Integration.

## Notable Projects

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### PT Kawasan Industri Terpadu Batang

- Developed web application comprising booking management, risk register, operational input, and analytics dashboards
- Designed and optimized graph data models and complex reporting queries in Neo4j, and implemented authentication and role-based access control through Microsoft Entra ID (Azure AD).
- Tech Stack : Nest.Js, React.Js, Ant Design, Refine, Azure AD, AWS EC2, Neo4J Database

### Multi-Warehouse E-Commerce Website

- Developed an admin dashboard to manage inventory, products, warehouses, stock transfers and sales reports.
- Implemented a user dashboard for product discovery, purchasing, and delivery tracking.
- Tech stacks : Java, Spring Boot, PostgreSQL, OAuth, Midtrans, Typescript, Next.js, React.js, Zustand, Tailwind.

## Skills

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- **Programming languages:** Java, Typescript, HTML, CSS, SQL, IEC 61131-3
- **Frameworks / Libraries:** Nest.Js, Spring Boot, Next.js, React.js, Refine, Tailwind
- **Technical Skills:** PostgreSQL, Neo4j, Redis, Kafka, Azure AD, Ubuntu, Nginx, VMware ESXi, Windows Server
- **Development Tools:** Docker, Git
- **Languages:** Indonesian (Native proficiency), English (Level C1 - Advanced) IELTS Overall band score 7