

# RYO KUSNADI

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## SKILLS

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- Golang, Python, C#, Javascript, Typescript
- RDBMS, Kafka, Redis, Protobuf, Docker

## WORK EXPERIENCE

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### **Shopee** : Senior Software Engineer (Seller Income)

01/2025 – Present

- Led the migration of legacy databases to a distributed architecture, ensuring zero downtime, improved performance, and seamless data integrity.
- Designed and implemented a real-time monitoring system using Change Data Capture (CDC) and contract-based validation, reducing system downtime by 30% and enabling early detection of anomalies, which improved operational resilience.
- Redesigned the escrow lifecycle flow, introducing multiple validation layers (e.g., idempotency checks, boundary condition testing) to enhance system robustness and reduce payout discrepancies by 15%, ensuring accurate and reliable seller payouts.

### **Shopee** : Software Engineer (Invoice)

03/2023 – 12/2024

- Standardized buyer invoice generation across multiple services, streamlining the process and reducing invoice mismatches by 25%, which improved accuracy and reduced operational overhead.
- Automated the Invoice Issuance process for Shopee's Brazil region, reducing manual processing time from 5 days to real-time and cutting finance team effort by 90%. This minimized errors, improved compliance, and streamlined operations.
- Refactored and optimized legacy code for Shopee Taiwan's receipt issuance flow, resolving recurring system issues and reducing frequent errors. Ensured seamless integration with third-party invoice issuers, improving system reliability and operational efficiency.
- Actively reviewed peer's merge requests, consistently finding time to provide feedback. Focused on identifying edge cases to prevent potential issues and ensure code quality.

### **Shopee** : Junior Engineer

09/2022 – 03/2023

- Mentored peers by simplifying complex technical concepts, improving team performance and knowledge retention.
- Led a team project under strict deadlines, fostering collaboration and delivering all tasks on time without major issues.

### **Sat Nusapersada (Electronic Manufacture Company)** : System Support Analyst

02/2019 – 03/2022

- Developed and implemented integration systems using SOAP, REST, and EDI, improving data exchange efficiency with external customers.
- Reduced server-side resource usage by 25% by optimizing data requirements and automating daily report generation.
- Developed Arduino code to fully automate the product packaging process, and integrated manufacture system to reduce headcount and increase precision.
- Implemented an alerting system that detected potential problems based on production performance.
- Mentored juniors on manufacturing flow, shared expertise and guided them in both technical and business skills.

## EDUCATION

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### **Batam International University** || Indonesia

GPA 3.93 / 4.00

September 2018 – April 2022

*B.S. Computer Science*