

Ruby Ferdianto

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LinkedIn: <https://www.linkedin.com/in/ruby-ferdianto> | GitHub: <https://github.com/rubyferdianto>

CAREER SUMMARY:

Systems Engineer with 15+ years of experience in large-scale distributed systems, database engineer, and cross-platform integration. Proven success leading incident response, root-cause analysis, and performance optimization for mission-critical applications. Adept at monitoring and alerting design, API troubleshooting, and process automation using Python and SQL. Passionate about reliability engineering, proactive issue detection, and improving operational resilience through AI-driven support systems.

Key Strengths:

- Skilled in developing technical documentation and aligning requirements across functional business units to enhance operational visibility.
- Proficient in data extraction from Oracle SQL databases, data cleaning, analysis, and visualization development.
- Strong in reviewing code quality and designing, developing, and optimizing SQL scripts, procedures, packages, triggers, and functions for performance efficiency.

TECHNICAL SKILLS:

- ERP & Enterprise Applications: Hexagon SmartMaterials, Oracle Fusion Middleware
- Databases & Data: Oracle SQL, PL/SQL, MySQL, PostgreSQL, Microsoft SQL Server, MongoDB.
- Programming & Scripting: Python, Unix, JavaScript, HTML/CSS, PHP
- Cloud & Integration: Google Cloud Platform (GCP), REST API, JSON.
- Tools: GitHub, VS Code, ServiceNow, SQL Developer, SSRS, Oracle Forms, APEX
- Data Engineering & Analytics: Streamlit, Pandas, Numpy, Docker, Web Scrapping, Parquet.
- Reports and Visualization: PowerBI, SSRS, Oracle Reports.

PROFESSIONAL EXPERIENCE:

Hyundai Motor Group Innovation Center, Singapore

SENIOR SYSTEMS ENGINEER, September 2023 – Present

- Developed dashboard for logistics systems to rectify inventory materials discrepancy and monitoring downstream and upstream activity.
- Automated anomaly detection scripts in Python and SQL to identify API failures and data inconsistencies before they impacted production.

Air Products Industrial Gases Pte. Ltd, Singapore

APPLICATION ANALYST, March 2023 – May 2025

- Designed and implemented ERP solutions for engineering, supply chain and logistics operations, integrating system with financial and construction systems.

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- Developed workflow diagrams, interface specifications, and reports for supply chain performance monitoring and forecasting.

McDermott Asia Pacific Sdn. Bhd., Malaysia

SENIOR PRINCIPAL IT PILLAR SPECIALIST, December 2019 – Feb 2023

- Led EPC systems and architecture design to integration and streamline supply chain processes across multiple business units.
- Provided L1/L2/L3 incident resolution via ServiceNow and root-cause analysis to improve business reliability of the systems.
- Conducted root cause analyses on critical service outages and implemented corrective automation scripts.

CV. Virtual Data Tech, Indonesia

ENTREPRENEUR (STARTUP), Mar 2012 – Nov 2019

- Built EPC system monitoring modules and reporting dashboards for clients
- Implemented automated log aggregation and exception alerting for remote project monitoring.
- Built a mobile app for source inspection in the logistics industry using Cordova, Node.js, HTML, CSS, JavaScript, and PHP, enabling inspectors to capture field activities (including photos and videos) and integrate them with the system.

TecSurge Pte. Ltd, Singapore

SENIOR APPLICATION CONSULTANT, Mar 2009 – Mar 2012

- Delivered EPC enhancements and technical solutions to optimize logistics and supply chain processes.
- Implemented systems onsite and offsite globally, focusing on Procurement, Expediting, Logistics, and Construction functions.

Averis Sdn. Bhd., RGE Group, Malaysia

PROJECT ANALYST, June 2006 – Feb 2009

- Developed ERP applications based on user requirements, managed Oracle databases, and oversaw server infrastructure.
- Streamlined operational support processes, improving SLA performance from weekly resolution to same-day service.

EDUCATION AND CERTIFICATIONS:

- Bachelor's Degree in Informatics Engineering, University of Sanata Dharma, Indonesia (2004)
- Oracle PL/SQL, Oracle Database SQL Certified and PostgreSQL Developer.
- Python Developer Certified
- NTU Course Advanced Certificate in Data Science and AI - *ongoing development*.