

# Ruby Ferdianto

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

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## **CAREER SUMMARY:**

Senior Developer and Systems Engineer with strong experience in **database development, system integration, and system automation**. Skilled in **SQL programming, data engineering, and system performance optimization**. Proven ability to design and implement analytical and costing solutions that streamline reporting, support different teams, and enhance decision-making. Adept at collaborating across functions to deliver robust business intelligence and product costing solutions.

## **TECHNICAL SKILLS:**

**Databases:** MS SQL Server, Oracle, MySQL, PostgreSQL.

**Programming & Scripting:** SQL, PL/SQL, Python.

**Cloud Platforms:** AWS, Google Cloud Platform (GCP).

**Reporting & Analytics:** Power BI, SSRS, Oracle Reports, Streamlit, Dash.

**Applications:** Hexagon SmartMaterials, Oracle Fusion Middleware.

**Tools:** SQL Developer, VS Code, GitHub, ServiceNow, REST API, JSON.

**Expertise:** Query optimization, data integration, and performance tuning, dashboard.

## **PROFESSIONAL EXPERIENCE:**

### **Hyundai Motor Group Innovation Center, Singapore**

**Senior Systems Engineer** | *September 2025 – Present*

- Designed and maintained integrated dashboards for logistics operation systems.
- Developed SQL-based automation and Python to improve data accuracy for manufacturing inventory.

### **Air Products Industrial Gases Pte. Ltd, Singapore**

**Application Analyst** | *March 2023 – May 2025*

- Designed and implemented system solutions for engineering, supply chain and logistics operations, integrating system with SAP for procurement and financial.
- Developed workflow diagrams, interface specifications, and reports for supply chain performance monitoring and forecasting.
- Optimized stored procedures and views in Oracle SQL to improve data retrieval efficiency.

### **McDermott Asia Pacific Sdn. Bhd., Malaysia**

**Senior Principal IT Pillar Specialist** | *December 2019 – Feb 2023*

- Provided L1/L2/L3 incident resolution via ServiceNow and root-cause analysis to improve business reliability of the systems.
- Managed EPC systems architecture for multiple projects, focusing on integration.

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- Developed database scripts for performance monitoring and financial data reconciliation.
- Provided guidance to team members on SQL optimization and automation scripting.

### **CV. Virtual Data Tech, Indonesia**

**Entrepreneur (Startup)** | *Mar 2012 – Nov 2019*

- Founded a technology consultancy, partnering with an Australian firm to deliver EPC systems solutions for clients.
- Designed and implemented EPC modules, developed SSRS and Oracle Reports, and improved customer service quality.
- 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 systems enhancements and technical solutions to optimize logistics and supply chain processes.
- Developed accelerated application modules using SSRS and Oracle Reports, reducing implementation time and operational costs.
- Reduced implementation costs through reusable templates and data workflows.

### **Averis Sdn. Bhd., RGE Group, Malaysia**

**Project Analyst** | *June 2006 – Feb 2009*

- Developed 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.

### **QUALIFICATIONS:**

- Bachelor's Degree in Informatics Engineering  
University of Sanata Dharma, Indonesia | 2004

### **PROFESSIONAL AND CERTIFICATIONS:**

- Oracle PL/SQL Associate Certified
- Oracle Database SQL Associate Certified
- Python Developer Certified.
- Nanyang Technological University (NTU) Advanced Certificate in Data Science and AI - *ongoing*.