

# Teo Wee Siang Roy

Technical Product Manager / Product Owner

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## Professional Summary

Results-driven Product Manager and Product Owner with over five years of experience across product management, software development, data analytics, and technical delivery. Experienced in owning B2B platform products, translating client and vendor needs into clear product requirements, and coordinating cross-functional teams across Sales, Support, Engineering, QA, and external partners. Strong interest in AI, data, and agentic workflows, with hands-on experience using AI to analyse information, structure requirements, automate repetitive work, and reduce manual operational tasks. Completed a Master of IT in Business, specialising in Data Science.

## Professional Experience

**Vanguard Software**, *Technical Product Manager / Product Owner* 2025 — Present

- Own the end-to-end product lifecycle for high-volume B2B digital platforms, from requirement discovery and product planning through development, testing, release, and post-production improvements.
- Manage products that support millions of transactions daily and contribute to multi-million turnover, with a strong focus on scalability, reliability, operational efficiency, and customer experience.
- Act as the key bridge between clients, external partners, Sales, Support, Engineering, QA, and Operations, translating business needs into clear product requirements, PRDs, user stories, acceptance criteria, and delivery plans.
- Lead technical integration and onboarding initiatives across multiple external partners, ensuring consistent data mapping, transaction processing, error handling, system behaviour, and production readiness.
- Leverage data, generative AI, and agentic workflows to analyse operational information, structure product requirements, automate reporting, support research, and reduce repetitive manual tasks.
- Experiment with specialised AI agents to support product planning, documentation, research, development, testing, and workflow automation across professional and personal projects.

**Development Bank of Singapore (DBS)**, *Marketing Technology Product Manager* 2023 — 2025

- **Data-Driven Insights:** Leveraged data analytics to develop personalized digital banking solutions aligned with customer-service transformation, enhancing user experience and satisfaction.
- **Cross-functional Collaboration:** Partnered with marketing, product and data-science teams to conceptualize and implement cognitive banking features; facilitated sprint planning and retrospectives, translating technical needs into business outcomes.
- **Campaigns & Segmentation:** Created and executed highly targeted push-notification and email campaigns, driving engagement and conversion through behavior-based customer segmentation.
- **Experimentation:** Spearheaded A/B testing and pilot programs to validate hypotheses, iterating product designs to optimize user experience and business outcomes.

Completed the DBS SEED graduate program in software engineering and was promoted to full-time associate software engineer after two years of strong performance.

- **Backend Development:** Led back-end development for key projects such as the LiveBetter Project, building and maintaining RESTful APIs with Java Spring Boot.
- **Agile Collaboration:** Worked closely with diverse stakeholders in an agile environment, managing cross-functional technical and business relationships.
- **Code Quality & Security:** Implemented code-quality monitoring with SonarQube, ensuring secure, high-standard delivery.
- **Architecture:** Applied hexagonal architecture to build microservices on Pivotal Cloud Foundry (PCF).

## Education

**Master of IT in Business (MITB), Singapore Management University**

2023 — 2025

- Specialising in Data Science and Analytics
- Focus on Data Science, AI/ML and Business Strategy

**BSc (Hons) Computer Science, University of Glasgow — Singapore Institute of Technology**

2018 — 2020

**Diploma in Engineering Informatics, Specialised in Networking, Nanyang Polytechnic (NYP)**

2013 — 2016

## Skills

<b>Product Management</b>	Market Research, Competitive Analysis, Agile & Waterfall, A/B Testing, Roadmapping	<b>AI &amp; Automation</b>	Generative AI, Large Language Models (LLMs), Prompt Engineering, Agentic Workflows, Multi-Agent Systems, Workflow Automation
<b>Data Analytics</b>	Data Cleaning, Data Modeling, Predictive Analytics, Excel Analytics, Adobe Analytics	<b>Programming</b>	Java, Python, R, C#
<b>Engineering</b>	Spring Framework, RESTful APIs, Microservices, Git	<b>Data</b>	MySQL, NoSQL
<b>Communication</b>	Stakeholder Management, Solution Design		