

SURESH BALARAMAN

Senior Technical Product Manager | AI, FinTech & Enterprise Platforms

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SUMMARY

Product leader with 13+ years owning trading and risk platforms that cannot go down during market hours, from discovery and requirements through prioritisation to production delivery. Prioritises on platform signals: defect patterns, latency and trading-window impact. Works directly with engineering on APIs, Python, SQL and real-time systems. Hands-on with LLM products, defining the evaluation criteria and guardrails, so AI features are scoped with their failure modes and run costs known.

CORE COMPETENCIES

Product Strategy | Product Discovery | Roadmap Ownership | Prioritization | PRDs & BRDs | Backlog & User Stories | AI Product Definition | RAG & Retrieval | LLM Evaluation & Guardrails | Agentic Workflows | Platform Strategy | API & Integration Products | Trading & Risk Systems | Release Governance | Cross-Functional Leadership | Technical Decision-Making

PROFESSIONAL EXPERIENCE

Technical Product Manager, Trading & Risk Platforms, Tata Consultancy Services

Jun 2021 – Present

Designated: Associate Consultant (CoE) | Product & Platform Operations

Roadmap, product strategy and operating-model ownership for enterprise trading and risk platforms across 5+ client engagements.

- Own product strategy and roadmap for enterprise trading and risk platforms, including the operating model and the onboarding framework every new programme clears before go-live; lead RFP and RFC technical evaluations on platform and vendor decisions.
- Defined and shipped LLM tooling that clusters incident and ticket text into themes and ranks them by recurrence and trading impact; that output, not anecdote, is what the quarterly roadmap review now runs on.
- Built a pattern-analysis feedback loop that converts live operational friction into prioritised roadmap items instead of one-off fixes, cutting recurring platform defects **30–40% over 12 months**.
- Replaced subjective feature requests with a scoring model built on platform-health signals, trading impact and recurrence, **doubling operational coverage** with no additional headcount.
- Write PRDs and BRDs with the business, translate regulatory and commercial intent into prioritised user stories, and run prioritised backlogs across delivery teams in three time zones.
- Prototype the uncertain parts myself; a working script or mock service settles a feasibility question in a day rather than a sprint.
- Lead cross-functional delivery across **teams of 100+** without direct authority, standardising onboarding, decision frameworks and templates that cut new-joiner ramp-up by several weeks per engagement.

Platform Product Lead, Trading & Risk Systems, Wipro Limited

Aug 2015 – May 2021

End-to-end product lifecycle ownership of live FX and equities risk platforms for regulated financial institutions under strict SLAs.

- Owned the full product lifecycle for FX and equities risk platforms serving regulated financial institutions, from enhancement definition through release to live-market operation.
- Established an event-to-insight loop in which market-hours edge cases were logged, classified and promoted into the backlog as enhancements; root-cause work cut trading-impacting issues by **30%+**.
- Defined risk-based release criteria, trading-window safety controls and rollback protocols, turning live-session deployments from a negotiation into a checklist.
- Built the real-time platform-health dashboards behind release go/no-go decisions and SLA reporting, defining both the metrics that mattered and the SQL underneath them.
- Drove broker and market-data API integrations, including MetaTrader connectivity and reconciliation between counterparty feeds.

Incident & Change Governance Analyst, Wipro Limited

Oct 2012 – Jul 2015

- Governed emergency and planned changes to core enterprise systems under formal compliance frameworks, then automated the reporting and removed a day a week of manual governance review.
- Led root-cause analysis on high-severity platform events, reducing defect volume **35%** and clearing **70% of the operational backlog within two months**.

SELECTED AI & TECHNICAL PRODUCT BUILDS

32 systems designed, built and shipped end-to-end, all taken through an enterprise hardening pass in 2026: typed interfaces, structured logging, exception hierarchies and test coverage. Full portfolio at sureshbalaraman.com.

Enterprise Algo Execution Platform — Python, AsyncIO, Next.js, WebSocket, multi-broker APIs

Async multi-broker order execution running **two strategy engines across two brokers, behind a five-stage pre-trade risk gate**, with a WebSocket market-data feed and Telegram control. I owned the product design as well as the system design: dense, real-time screens where a misread number costs money, so hierarchy and state feedback outrank decoration.

AI Options Strategy Copilot — Gemini API, deterministic Python, options-chain data

Turns options-chain data into ranked multi-leg strategy candidates with the reasoning exposed, across **24 defined strategy templates**. Splitting the LLM from a deterministic Python execution layer is what stops the model asserting a number it cannot source.

ServiceNow Change Validator — LLM review pipeline, PII scrubbing, Python, 23 tests

Reviews change requests against policy before approval and flags the risky ones for human sign-off, cutting review time from **30 minutes to roughly 6**. PII scrubbing sits in front of the model. Enterprise AI applied to the exact governance problem I had spent years solving by hand.

Ethereal Website Audit Engine — Multi-agent LLM orchestration, Python, test-covered

Three parallel agents auditing a site and reconciling into one report, behind **a snapshot layer that logs its compression ratio on every run**. The hard part is orchestration and failure handling: a partial agent failure still has to return something usable.

TECHNICAL SKILLS

Languages & Data: Python, AsyncIO, NumPy, SQL, Power BI

AI & LLM: OpenAI and Gemini APIs, multi-agent orchestration, RAG and retrieval over operational data, prompt architecture and evaluation, model guardrails, PII handling, AI feature scoping and run-cost estimation

Platforms & Integration: REST APIs, WebSocket, broker and market-data APIs, MetaTrader, trading and risk platforms, ServiceNow, Azure DevOps

Product & Design: Next.js, React, Figma, wireframing and interactive prototypes, information architecture for dense trading screens, design systems, usability testing with live traders

EDUCATION

B.E. Mechatronics, Sri Krishna College of Engineering & Technology, Coimbatore

CERTIFICATIONS

Building AI Products | Prompt Engineering for LLMs | Agile & Product Management Foundations | SRE Fundamentals | ITIL v3 & v4 Foundation

In progress: Databricks Generative AI Fundamentals | Microsoft Certified: Azure AI Fundamentals (AI-900) | Google Cloud Generative AI Fundamentals

LANGUAGES

English | Tamil | Hindi | Sourashtra