

VIDWAN GOWDA H M

Product Management | Software Engineering | 0-to-1 Product Ownership

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SUMMARY

Software Engineer at Oracle who has already done the product job end to end. Identified an unreported operational pain point, ran the discovery, wrote the PRD, prioritized the scope, built the system and shipped it. OSM_Vassist now cuts fault triage time by 80% for the QA teams that use it daily. Pairs that ownership with a working engineering foundation in Python, Java, SQL, REST APIs, system design and cloud. Targeting Associate Product Manager and product-focused engineering roles where deciding what to build and being able to build it are the same job.

EXPERIENCE

Oracle - Software Engineer

August 2025 - Present

Bengaluru, India | Communications: Order & Service Management

- Deliver Oracle Order & Service Management solutions for telecom fulfillment, covering orchestration, provisioning, activation and task flows over 5 workflow domains serving enterprise carrier customers.
- Engineer orchestration workflows in Java, XQuery and SQL, integrating 6 downstream BSS/OSS systems (UIM, ASAP, OSB, ERP, AIA, BRM) and hardening retry and failure-recovery paths under production volumes.
- Translate business requirements into product specifications, configurable workflows and test scenarios; own SIT/UAT test strategy and root-cause playbooks spanning 5 stakeholder functions: QA, product, integration, upstream and downstream engineering.

OSM_Vassist - 0-to-1 Internal Product

Oracle | Sole Owner

Conceived, specified & delivered end to end: user research, PRD, prioritization, build, phased rollout, adoption tracking.

- Discovered an unreported pain point through user interviews: QA and support engineers spent roughly 2 hours per incident manually tracing failed telecom orders through COM, SOM and TOM layers to identify which of 6 downstream systems had broken. Quantified the recurring cost to justify the investment.
- Authored the PRD, acceptance criteria, edge cases and operational decision rules. Scoped and sequenced 7 capabilities: order lookup, fault-detail extraction, failure triage, repush eligibility, abort handling, skip/bypass provisioning and process-history reporting.
- Prioritized by triage frequency and time saved per incident, cutting candidate features that would not survive a live support workflow.
- Designed and implemented the system in Python: a capability router, a rules engine that classifies each failure and maps it to the owning team, and structured JSON/CSV evidence generation with debug artifacts and verdict reports.
- Launched as a versioned internal release with onboarding documentation and a phased rollout, reaching 100% adoption across the target QA function: all 15 test engineers spanning SIT and UAT environments.
- Reduced mean triage time from roughly 2 hours to 25 minutes, an 80% cut, removing around 15 engineer-hours per week and reducing escalation churn by routing every fault to its owning team automatically.

Oracle - Project Intern

January 2025 - July 2025

Bengaluru, India

- Configured and validated Oracle OSM orchestration workflows over 2 enterprise telecom domains, translating business requirements into provisioning journeys and configurable task flows.
- Authored and executed SIT and UAT test scenarios spanning provisioning journeys, defect replays and edge cases, improving release readiness ahead of production deployment.

PROJECTS

Quiz Wizards - Offline-First EdTech Platform

Govt. of Karnataka funded

github.com/gowdavidwan2003/mini-project

- Shipped a camera-based interactive quiz platform to 200+ students in 2 government schools inside a fixed grant window, owning scope, build and rollout against a hard delivery deadline.
- Designed a pen-drive content-sync journey so teachers could refresh question banks with zero internet connectivity, the binding constraint in rural deployment and the decision the entire design followed.
- Automated setup, launch, backup and data operations so non-technical teachers ran the platform unaided, removing the need for on-site support and making the rollout repeatable school to school.

Smart Route - Logistics Route & Cost Optimization

smart-route.streamlit.app

- Developed a truck route-planning and cost-estimation tool that lowered modeled fuel spend, emissions and operating cost by 7-10% per route.
- Integrated the Bing Maps API for route visualization and ETA prediction, then added toll and fuel estimation by vehicle class, lifting cost-estimate accuracy to 80% against actuals.

Finsight AI - Real-Time Market Intelligence

finsight-ai.streamlit.app

- Engineered a Python and Streamlit application combining Yahoo Finance market data with Google Generative AI to deliver tailored financial insights over 1,000+ live equity and cryptocurrency data points.

Additional (github.com/gowdavidwan2003): CiniMagic recommendation engine (Python, pandas); Musify full-stack music app; HR Analytics and 2019 General Elections dashboards (Power BI); Bank Smart Contract (Solidity, Ethereum); Fertilizer Prediction (Random Forest, KMeans); Job Market Scraper (Python, Selenium)

SKILLS

Product Management: Product Strategy, Roadmapping, Product Discovery, AI Product Strategy, PRDs & Specifications, Product Briefs & RFCs, User Stories & Acceptance Criteria, User Story Mapping, Jobs-to-be-Done (JTBD), Backlog Prioritization (RICE, MoSCoW, Kano), Go-to-Market (GTM), Release Planning, Stakeholder Management, Cross-Functional Leadership

Research & Metrics: User Research & Interviews, User Journey Mapping, A/B Testing & Experimentation, North Star Metric, KPIs & OKRs, Success Metrics, Model Performance vs. Product Metrics, Funnel Analysis, Retention & Churn, DAU/MAU, Competitive Analysis

Languages: Python, Java, TypeScript, JavaScript, C++, SQL, XQuery

Backend & Systems: REST API Design, FastAPI, Flask, Node.js, Microservices, JMS Message Queues, System Design, Distributed Systems, Design Patterns, Data Structures & Algorithms, Object-Oriented Programming, Unit Testing (JUnit, PyTest), OAuth, JWT, Authentication & Authorization, Operating Systems, Computer Networks

AI & LLM Engineering: LLM Integration (OpenAI, Claude, Gemini), Prompt Engineering (Chain-of-Thought, Prompt Chaining, System Prompt Design, Versioning & Testing), Structured Output (JSON Mode), AI Agents & Agentic Workflows, Multi-Agent Systems, LangChain, LangGraph, RAG, Embedding Model Selection, Chunking Strategies, Semantic Search, ChromaDB, Fine-Tuning vs. RAG Decisioning, LLM Evaluation & Benchmarking, AI Guardrails & Responsible AI

Data, ML & Analytics: PostgreSQL, MySQL, MongoDB, Pandas, NumPy, Scikit-learn, NLP (Tokenization, NER, Sentiment Analysis), Computer Vision (OpenCV), Vision Language Models (VLM), MLOps (MLflow, Model Versioning, Drift Monitoring), Power BI

Cloud & DevOps: AWS, Docker, Kubernetes, CI/CD, Jenkins, Git, Linux, Code Review, Agile, Scrum, Kanban

Tools: Jira, Confluence, Figma, Google Analytics

EDUCATION

Ramaiah Institute of Technology, Bengaluru2021 - 2025

B.E., Information Science & Engineering | CGPA 9.03 / 10.00

CERTIFICATIONS

IBM AI Product Manager Professional Certificate | Business Analysis Fundamentals (Microsoft) | Oracle APEX: Foundations