VINAY BINDAL (PMP, ITIL, CSM, SCJP)

Technical Product Manager

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A results-oriented Technical Product Manager expert in IoT, large scale data solutions and ML workflows with focus on the product's vision, company objectives, and the market. Adept at steering cross-functional teams through the entire project lifecycle.

KEY COMPETENCIES

- **Strategic Planning and Execution**: Proficient in defining product goals, scope, and deliverables aligned with organizational objectives. Skilled in creating comprehensive product roadmaps, timelines, and resource plans to ensure successful delivery.
- **Cross-Functional Leadership**: Expertise in managing cross-functional teams to drive complex technical projects from inception to completion. Experience managing global stakeholders, vendors, and third-party partners to meet project milestones.
- **Agile and Waterfall Methodologies**: Extensive experience in implementing and managing Agile frameworks and traditional Waterfall methodologies based on project needs. Proficient in tools like JIRA, Confluence, and TestRail for sprint planning, backlog grooming, and project tracking. Certified Scrum Master (CSM) and PMP credentials, ensuring adherence to best practices in project management.
- **Risk Management and Problem Solving**: Skilled in identifying, assessing, and mitigating project risks to ensure successful outcomes. Experience in managing escalations, resolving technical roadblocks, and adapting to changing project requirements. Analytical mindset with a focus on using data and KPIs to drive decisions and optimize project performance.
- **Change Management**: Successfully managed large-scale system migrations and digital transformations, ensuring minimal disruption to operations. Expertise in cloud orchestration, hybrid environments, and automation strategies for scalable solutions. Skilled in driving organizational change through strategic initiatives, ensuring smooth transitions to new systems or processes.
- **Compliance and Security**: Extensive knowledge of cybersecurity best practices and adherence to regulatory requirements for platform compliance. Partnered with engineering teams to implement fault-tolerant architectures and ensure secure deployments. Experience in working within regulated environments to meet industry standards.

PROFESSIONAL EXPERIENCE

Technical Product Manager, Hyundai AutoEver America, Irvine, CA, Aug 2020 – Dec 2024

- Led the design and deployment of remote vehicle services and telematics features, resulting in a 40% improvement in system reliability and increased app store ratings to 4.3.
- Managed the end-to-end lifecycle of firmware update features, ensuring seamless OTA delivery to vehicles across diverse user bases resulting reduced service center visits by 30%, enhanced customer satisfaction, and enabled continuous feature improvements.
- Spearheaded a predictive maintenance feature powered by vehicle data analytics, alerting drivers about potential failures before they occur.
- Developed EV charging solutions for smart phone app that locates charging stations, pre-condition battery for faster charge and monitors battery health that boosted EV adoption.
- Implemented next generation Advanced Driver Assistance System (ADAS) and various C-V2X (Cellular Vehicle-to-Everything) features that enhanced vehicle safety and efficiency.
- Partnered with R&D teams to implement fault-tolerant architectures, cybersecurity measures, and compliance standards for connected car systems.
- Developed APIs and integration protocols to enable scalable interoperability across third-party applications and dealership tools.

Technical Project Manager, Apple, Sunnyvale, CA, Sep 2015 – Jun 2020

- Designed and implemented custom MapReduce jobs to manage large scale data pipelines, reducing memory usage and false positives while enhancing query performance, contributing to enhanced system performance and scalability.
- Applied machine learning models using Markov Chain Monte Carlo (MCMC) simulation to forecast user behavior and optimize resource allocation during peak system usage.
- Applied columnar storage formats like Parquet and ORC for efficient storage and query performance in data lakes.
- Collaborated with cross-functional teams to integrate data insights into product development for cloud-based systems.

Technical Project Manager, Infogain India, Nov 2011 – Sep 2015
- Directed the migration of on-premises systems to hybrid cloud environments, enhancing performance by 30% and reducing deployment time by 20%.
- Implemented cloud orchestration and automation strategies to streamline deployment processes.
- Partnered with global teams to define requirements and deliver innovative solutions for firmware management and updates in manufacturing environments.

Senior Java Developer, Infogain India, Jan 2009- Nov 2011
- Designed scalable software solutions, including firmware update tools, to enhance operational efficiency and customer satisfaction.
- Led development efforts to optimize content management and improve search functionalities for end users.

Senior Java Developer, Sapient Corp India, Aug 2007 – Dec 2008
- Implemented high-performance online retail platform in telecom domain utilizing Java EE, Struts, and JSP/Servlet technologies.
- Led the implementation of product catalog systems that improved page load times by 35% through optimized database queries and caching mechanisms integrated with legacy ERP systems.

Java Developer, Franconnect Inc, India, Jul 2006 – Aug 2007
- Architected a comprehensive franchise management system serving 200+ franchise utilizing Java EE, Struts and Oracle database technologies.
- Gained expertise in designing secure multi-tenant web applications.

Technical Skills
- Project Management Tools: JIRA, Confluence, Microsoft Project, ServiceNow
- Development Frameworks: HTML5, JavaScript (React.js, Angular.js), Hadoop, Spark
- Programming/Technical Knowledge: Java, Python, Scala
- Version Control: BitBucket, GitHub
- Design Tools: Figma, Visio
- Testing Framework: TestRail
- Compliance Standards: GDPR, SOX
- Business Intelligence Tools: Tableau, SQL, PigScript
- DevOps/SRE Tools: Splunk, ELK, Grafana

EDUCATION

2006	M.Tech. (Software Engineering), UIET, Kurukshetra University, Kurukshetra, Haryana
2003	M.Sc. (IT) from Electronic Science Department, Kurukshetra University, Kurukshetra, Haryana
2001	B.Sc. (Electronics) from University College, Kurukshetra University, Kurukshetra, Haryana

PROFESSIONAL CERTIFICATIONS

2015	Certified Scrum Master
2014	PMP-PMI Certified Project Management Professional
2013	ITIL Foundation
2011	Oracle Certified Professional-Java SE 6 Programmer