

PREM JOSHI

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WORK EXPERIENCE

Product Manager (Senior - 4), EY (Ernst & Young), Hoboken, New Jersey

Sep. 2022-Present

Product Brief: Risk GPT is an AI-powered risk intelligence platform automating cybersecurity audit workflows and control validation.

- Launched 'Risk GPT' - EY's first AI-powered risk intelligence system, automating cybersecurity audit workflows; worked with ML engineers & Data Scientists to build and scale the product, accelerating overall risk assessment workflows by 70%.
- Defined and executed the product roadmap for Risk GPT, automating Test of Design (TOD) and Test of Effectiveness (TOE) workflows to streamline audit control validation - reducing manual effort by 80% and increasing annual profit by \$8.5M.
- Led end-to-end product strategy and scalability initiative, optimizing cloud infrastructure to cut costs by \$1.2M/year, improve performance by 45%, and maintain 99.99% uptime across 15+ global regions.
- Product Performance & Growth - Drove Risk GPT adoption across 7 global units, reducing human review effort by 50%.
- Designed and led A/B testing for Risk GPT, integrating results into the product analytics pipeline to guide roadmap decisions, optimizing automation workflows and UX flows to boost feature adoption by 40%, task completion by 35%, and overall efficiency by 25%.
- Launched the MVP for Risk GPT, prioritizing high-impact automation workflows and delivering a functional prototype within 12 weeks, enabling early user adoption, validating product-market fit, and accelerating enterprise rollout by 6 months.
- Metrix - Efficiency gain: 70% faster risk assessments | Cost reduction: ~\$5M/year | Profit impact: +\$8.5M/year.

Projects

Product Manager | Amuse | Next-Gen AR-VR Platform Revolutionizing Museum Engagement | [Project Link](#)

- Built an AR/VR-based museum experience using WebXR and JavaScript to digitize and visualize artifacts, resulting in a 60% boost in visitor engagement
- Opened a revenue stream worth ~\$5M by targeting museum visitors and curators and rolling out an interactive VR artifact visualization solution. Led partnership with local museums to pilot the platform and validate user engagement.
- Metrics - Anticipated Impact: 3x increase in visitor engagement time, 40% higher visitor satisfaction, and 25% boost in repeat museum visits through immersive AR/VR artifact interactions.

Product Manager | Auralis | AI Chatbot Redefining Document Management for Work and Home | [Project Link](#)

- Spearheaded product development for "Auralis," an AI-Chatbot enabling users to store, search, and retrieve documents via NLP, reducing document search time by 70% for users.
- Implemented retrieval-augmented generation (RAG) pipeline using vector databases and LLM APIs to deliver context-aware responses with >90% query accuracy.
- Metrics - Efficiency: 80% faster document retrieval vs. manual search | Accuracy: 92% query-match precision Up to 80% reduction in document search time

Senior Software Development Engineer | Mobicule Technologies Pvt. Ltd, Mumbai, India

Jun. 2018-Aug.2021

- Addressed and completed over 300 development tickets by architecting and implementing scalable enterprise resource management software using Java, Spring Boot, HTML/CSS and SQL in an Agile environment, prioritizing speed and scalability
- Employed Docker and Kubernetes for containerization, improving application scalability and reducing downtime by 30%
- Integrated Redis for caching, Kafka for message Queuing leading to a 15% improvement in application response time.
- Enhanced team productivity by 30% by mentoring and coaching 12 developers in object-oriented programming, Java Best Practices, database management, and code review, leading to improved code quality and reduced bugs.

SKILLS

Product Management: Product Strategy, MVP Definition, A/B Testing, AI & Cloud Platforms, B2B SaaS, Data Analytics, Agile

Programming languages & Databases: Java, JavaScript, Python, MongoDB, DynamoDB, MariaDB, Redis, PostgreSQL, MySQL, NoSQL

Cloud, Containerization and DevOps: AWS, Azure, GCP, Terraform, Linux, UNIX, Docker, Kubernetes, Git CI/CD

Certifications

AWS Certified Machine Learning Engineer – Associate | AWS Certified Solutions Architect – Associate | Professional Scrum Master™ I

EDUCATION

UNIVERSITY AT BUFFALO, Master of Science, Management Information Systems

Buffalo, NY