

PREM JOSHI

Premjoshi40@gmail.com | Jersey City, NJ | +1 (716) 907-8987 | [linkedin.com/in/premrjoshi](https://www.linkedin.com/in/premrjoshi) | [My Portfolio](#)

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