SUBASH SRINIVASAN

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➤ Seasoned Program Manager with 15+ years of experience in managing large-scale, model initiatives within highly regulated environments. Proven leader in Agile transformations, cloud adoption, Business Operations and AI/ML-based product delivery.

CORE COMPETENCIES

AI/ML	Product Management	Leadership
Model Management	Product Strategy	Vision & Mission Alignment
Model Regulation	Prioritization & Road Mapping	Delivery Excellence
AI ML DL MLOps	Stakeholder Management	People Development
Python & SQL	Market and Customer Insights	Execution & Operation
Data Science	User Experience Focus	Budgeting and Cost Control
Feature Engineering	Business and Financial Acumen	Operational Excellence

EDUCATION & CERTIFICATIONS

- M.S. in Computer Information Systems - USA
- AWS AI Practitioner
- AWS Certified SysOps Administrator
- Python and Java certified
- Certified Product Owner & Manager
- Certified Scrum Master
- PMP – Project Management Professional
- B.S. in Electronics & Communication Engineering – India

EXPERIENCE

SINCE JUNE 2022

PRODUCT AND PROGRAM MANAGEMENT

- Managed risk for Fannie Mae's $477 billion multifamily loan portfolio using advanced algorithmic and template-based risk scoring models.
- Collaborated with the Model Risk Management team to conduct back-testing, evaluating new model code against historical data for robust validation.
- Coordinated with the Federal Housing Finance Agency (FHFA) to conduct sensitivity analyses by modifying key model parameters, demonstrating that the model performed as expected under varying conditions.
- Partnered with the Enterprise Risk Management team to reconcile model outputs with non-model platforms, ensuring accurate and consistent results for each model release.
- Facilitated the team's transition to Agile by leading all SAFe Agile ceremonies, including daily stand-ups, backlog grooming, continuous improvement (retrospectives), and backlog management.
- Migrated applications from on-premises to AWS Cloud, leveraging native services such as Glue, Lambda, Step Functions, SNS/SQS, and CloudWatch to optimize performance and scalability.

2022 - 2018

INNOVATION AND PRODUCT MANAGEMENT

- Developed an Automated Valuation Model (AVM) using XGBoost (AI/ML), enabling automatic calculation of multifamily property values within an Agile framework.
- Designed a sponsor prediction system leveraging n-gram and cosine similarity models to rank and recommending appropriate sponsor names for user selection.
- Built an algorithm-based model to suggest new loan terms to borrowers based on their previously selected loan parameters, enhancing borrower experience and decision-making

2008-2017

PRODUCTION AND OPERATIONS SENIOR MANAGER

- Managed three vertical teams (Daily Operations, Infrastructure, and Desk-to-Desk) overseeing Fannie Mae's tier-0 flagship application, Desktop Underwriter — a critical single-family

underwriting platform on AWS receiving 300K–600K daily hits. Ensured high availability and operational excellence through blue-green deployments.
- Built and structured cross-functional operations teams by establishing Service Level Agreements (SLAs) , defining key responsibilities and leading execution across incident, problem, and change management areas.
- Production Operations Leadership: Oversaw daily operations of a Tier 0 application critical to business continuity, implementing comprehensive alerting and monitoring to maintain system resilience and uptime.

2004-2008   PROJECT MANGEMENT, MIDDLEWARE SOLUTIONS

- Directed quarterly enterprise-wide maintenance programs by coordinating cross-functional teams to plan, execute, and deploy critical upgrades across all Fannie Mae environments, ensuring on-time delivery and minimal operational disruption.
- Served as the subject matter expert on enterprise web and application systems, providing strategic guidance on IT infrastructure and emerging technology trends to influence long-term program direction.
- Led the planning and execution of enterprise disaster recovery exercises, aligning with business continuity goals and proactively identifying system gaps and risks.
- Consistently supported large-scale software rollouts, ensuring proper documentation, governance, and change control processes across the SDLC.

2001-2004   SR. DEVELOPER

- Led client integration initiatives for Fannie Mae's messaging infrastructure, overseeing end-to-end onboarding of major partners, including JPMorgan Chase and Countrywide, ensuring seamless data exchange and downstream processing alignment.
- Directed the automation of trigger monitors within the enterprise messaging environment, significantly optimizing performance, and reducing operational costs.
- Pioneered the integration of Mainframe Unix System Services with MQSeries and Java, helping the organization adopt modern, scalable architecture to support cross-platform interoperability.
- Collaborated with cross-enterprise teams to define technical requirements and ensure enterprise messaging programs met business objectives and compliance standards.

AI ML PROJECTS

JULY 2025   AI SHOP TALK

- Developed an AI-powered chatbot using RAG, AWS Q, and Athena to enable natural language search over a shop-specific product catalog, returning relevant items with product identifiers.
- Fine-tuned embedding models on the Amazon-Berkeley Objects (ABO) dataset using techniques like Triplet Loss, LoRA, and QLoRA; incorporated image captioning to enrich product descriptions.
- Built and deployed the end-to-end solution with Streamlit UI, Vector DB integration (Chroma/Milvus), and feedback loop support for continuous improvement.

JULY 2025   ML SOCIAL MEDIA INFLUENCERS

- Engineered node-level features (e.g., degree, clustering coefficient, centrality metrics) from graph-structured Facebook data using NetworkX and iGraph for unsupervised clustering of social network users.
- Applied clustering algorithms (K-Means, DBSCAN, hierarchical) derived graph features to unveil user communities, enabling actionable segmentation insights for digital marketing use cases.
- Evaluated clustering performance using metrics like Silhouette Score and Davies-Bouldin Index; presented insights to demonstrate potential for influencer identification and targeted community engagement.