

MOHAMED SHABEER USMAN

Principal Product Manager · Data & AI · SaaS

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EXECUTIVE SUMMARY

Product leader with 14+ years of experience building GenAI, agentic, and data products and platforms at enterprise scale. Expert in planning, designing, executing, and scaling data and AI-based customer-facing applications and workflows — from evaluation to production governance — integrating GPT-class models, Claude, and Gemini with enterprise data. Proven track record of leading cross-functional teams (AI/ML, data engineering, designers, full-stack, DevOps) to deliver high-throughput for mission-critical user experience for SaaS. Strong focus on measurable outcomes: accuracy, reliability, usage, and business impact.

CORE SKILLS

AI & GenAI: Agentic systems · RAG pipelines · LLM integration (GPT, Claude, Gemini) · Multimodal AI · AI governance · Prompt engineering

System & API Architecture: Microservices · REST/Graph APIs · Multi-tenant platforms · OAuth · Latency optimization · Contract-driven integrations

ML & MLOps: Model evaluation · Feedback loops · Versioning · Monitoring · Performance metrics (correctness, recall, completeness)

Data & Streaming: Snowflake · Databricks · Data lakes/mesh · Spark/Flink · Petabyte-scale ingestion · Customer 360

Cloud & DevOps: AWS · GCP · Azure · CI/CD · Containerization · Autoscaling · Observability · Queue-based orchestration

Computer Vision & NLP: YOLO · OCR · BERT semantic classification · Document intelligence · Image analysis pipelines

PROFESSIONAL EXPERIENCE

Procore Technologies · Plano, TX

Principal Product Manager – Data & AI Feb 2022 – Feb 2026

- ▶ **End-to-End Ownership** → Led strategy, design, delivery, and continuous improvement of enterprise agentic construction workflows for increase user productivity. Serving as the company's AI lead across multi-tenant, regulated environments.
- ▶ **90%+ Response Accuracy** → Designed just-in-time grounding workflows and schema-driven action layers that lifted accuracy from ~45% to 90%+, eliminating hallucinations in mission-critical workflows.
- ▶ **Supervisor Orchestration** → Built dynamic intent-routing layer directing traffic to domain-specific agents using real-time manifest resolution and policy-driven execution at enterprise scale.
- ▶ **Multimodal Copilot Experience** → Shipped RAG pipelines supporting text, document RAG, and image intelligence — adopted across 3000 enterprise customer for support articles, tool, media and reporting use cases.
- ▶ **AI Governance Framework** → Defined agent registries, versioning, ML exclusions, and compliant hybrid-cloud deployment standards across AWS, GCP, and Azure.
- ▶ **Evaluation-as-a-Service** → Established transaction-level metrics (correctness, recall, completeness) enabling continuous model tuning and data-driven roadmap decisions.
- ▶ **Team Leadership** → Led engineers, data scientists, and platform leaders — aligning multi-quarter roadmaps and ensuring high-quality delivery across platform and application layers.

Autodesk, Inc. · San Francisco, CA

Technical Product Manager – Data & ML Sep 2013 – Feb 2022

- ▶ **Revenue Impact** → Delivered AI/ML churn and buying-readiness models that contributed to ~25% YoY revenue growth and shaped product strategy at scale.
- ▶ **\$1B ARR Contribution** → Led design of transactional APIs enabling the company's pivot to subscription model, directly contributing to ~\$1B ARR in FY19.
- ▶ **GenAI Support Assistant** → Built NLP-powered customer support bot (IBM Watson) resolving ~20K cases/month, generating \$1M+ in annual cost savings.
- ▶ **Petabyte Data Platform** → Architected a big data platform ingesting 5+ PB across 10,000+ tables, powering global analytics, ML models, and executive reporting.
- ▶ **Platform Modernization** → Modernized legacy analytics infrastructure supporting predictive ML workloads — improving customer-facing reporting performance by 4x.

Cognizant Technology Solutions · San Francisco, CA

Business Systems Analyst – CRM & Partner Platforms Mar 2011 – Sep 2013

- ▶ **Enterprise CRM** → Led CRM and partner platforms for 50,000+ users; managed migrations of 5,000+ partners and 1M+ customers across global regions.

Consolidated Contractors Company (CCC) · Riyadh, Saudi Arabia

Construction Engineer – Electrical Aug 2007 – Jun 2009

- ▶ **Domain Foundation** → Supported large-scale oil & gas electrical projects — domain expertise later applied to construction tech and data-driven project platforms at Procore.

PERSONAL PROJECTS · [GITHUB.COM/SHABEEERCCC](https://github.com/shabeerccc)

Stock Digest — AI-Powered Daily Stock Analysis Platform

github.com/shabeerccc/cursor_email_digest

Built a production-ready, end-to-end stock digest platform featuring multi-source data collection (Yahoo Finance, Alpha Vantage), 6-dimension stock scoring (Halal, Hedge Fund, Trend, Fundamental), AI-generated market insights, and automated rich HTML email delivery. Covers 98 stocks across 15 sectors with smart cache-first architecture and a RESTful FastAPI backend.

Stack: Python · FastAPI · Google Sheets API · SMTP · SQLite · Cursor AI

Texas UPS — End-to-End Solar & Data Center Power Website

github.com/shabeerccc/v0-data-center-power-website · texasups.vercel.app

Designed and shipped a full-stack B2B web application for a solar/data center power solutions company. Includes serverless API routes, lead capture with email notifications, mobile-first responsive design, and automated Vercel deployment. Built using AI-first development workflow with v0.app + Cursor.

Stack: Next.js 16 · TypeScript · Tailwind CSS · Radix UI / shadcn · Nodemailer · Vercel

SIGNATURE DELIVERIES

- ▶ **Multimodal RAG & Agentic Platform** → >90% response accuracy across text, document, and image workloads via real-time grounding and agentic frameworks.
- ▶ **Unified Semantic Search** → Hybrid vector + keyword search powering agentic retrieval across structured/unstructured enterprise data with deterministic policy enforcement.
- ▶ **CV & Location Intelligence Pipeline** → YOLO + OCR + BERT pipeline auto-building complex location hierarchies from blueprints with measurable task accuracy gains.
- ▶ **Executive 360 Dashboard** → Real-time ML risk signals across 360+ projects with dynamic segmentation by type, geography, and customer.
- ▶ **Subscription Migration APIs** → Transactional microservices enabling Autodesk's license-to-subscription pivot — contributing to ~\$1B ARR milestone.

EDUCATION

MBA · Keller Graduate School of Management, Illinois

BS – Electrical & Electronics Engineering · Dr. MGR University, Chennai