PRAVEEN SHARMA

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Software Engineering Executive with hands-on expertise in the art of **Technical Program Management**. Demonstrated **agility**, innovation, and empiricism in delivering multiple products both as **Product Owner** and **Scrum Master**. Collaborated with peers from cross-functional teams to remove constraints and mitigate project delivery risks; Provided **business face-off**, executive **leadership**, transparency, and clear **communication** to all stakeholders.

Recognized for recruiting, grooming, and retaining the **diverse and highly performing** software engineers. Managed, mentored, and coached software engineers and application support professionals into agile experts. Planned budgets, created roadmaps for run-the-bank and change-the-bank programs; projected optimal resourcing estimates for successful delivery of projects with the right mix of full-time employees and out-sourced vendors.

Demonstrated the right vision and long-term perspective on future technologies while modernizing applications. Subject Matter Expert in **Payments**, Fixed Income **Electronic Trading & Algorithmic Execution**/**Controls**, Low-latency Infrastructure, **ETRM**, **Risk Management**, Data Analysis, Trade Processing, Post Trade, and Regulatory Reporting.

- Program Management
- AWS Solutions Architect
- Site Reliability Engineer
- Product Development
- Data Analysis & Automation
- C++/Java/Python tech lead
- Leader/Mentor/Coach
- Agile Expert
- DevOps & SDLC Process

PROFESSIONAL EXPERIENCE

Markets Technology Inc., (mktstech.com)
Founder, CTO   **May 2023 – Present**
Started up a Technology Services Organization to form strategic partnership with Financial Institutions and Fintech to provide Consultancy and Advisory services. My goal is to leverage Capital Markets trading technology expertise to improve Agile Project Execution, IT Operations using SRE and DevOps principles, API Strategy, and Quality Assurance.

JP Morgan, India   **May 2013 – July 2022**
Executive Director (ED), Head of APAC FX eTrading Cash and Algorithmic Trading, Mumbai / 2015-2019
Served as a Desk Face-off and Program Manager for APAC business units. Managed stakeholder communication and the book-of-work; Worked with various global scrum teams to order the items, elaborate on ROI. Key deliverables:
- Deployed self-help chatbots for Sales, Client Services and Production Support to answer FAQ from clients
- Increased NDF internalization for client and trader algos by integrating with e-flows
- Customized Algo behavior during Asia hours to cope with illiquid markets, such as ability to agress on Primary venues when filling Stop Limit orders, mitigate orders legging out by setting up primary/secondary venues
- Built out of Middleware, APIs, Order Gateways and Market Data Connectivity on new Asia ECNs (KRX, SGX, CFETS, Shanghai Gold Exchange) to capture liquidity for execution, hedging and market making
- Led FX Asia Onshore Spot and NDF quoting and client algos expansion eg., added CNY, THB, INR, etc.,

ED, Global Head of FX and Commodities Sales Trader Workflow Technology, 2014 – 2021
Served as the Product Owner for Macro Voice Sales-Trader Workflow. Worked closely with global Sales and Trading teams to build technology for Sales to input Client Orders, Traders to Acknowledge, Set Proximity Alerts and Fill the orders when market crossed. Also enhanced Manual Pricer to respond to eQuote diverted RFQs for Sales input.
- Added APIs to route low-value orders Voice desk to Algo, and very high-value e-orders from Algo to Voice desk
- Managed the end-to-end Sales/Trader workflow of FX and Commodities voice orders handling the capture, fills, partial fills, cancels, amends, pricing, order ladders, alerts, booking, risk and pre- and post- MIFID II requirements

ED, E-Trading Core Infrastructure Management, Mumbai, India / 2017 - 2019
a. Product managed rollout of new order gateways to standardize technology (JISU) across Equities and Fixed Income.
b. Project managed delivery of low latency feed handlers (ULLTRA) and multicast (UME) messaging. Deliveries include:
- Ordered Product Backlog, decomposed tasks, and collaborated with scrum teams to migrate legacy Java-based order gateways with milli-second latency to C++ order gateways with double digit micro-second latencies
- Designed and deployed ETRM Controls - Price Collar Checks, throttling, Max Open Notional Limits and Max Open Order Limits, Circuit Breakers, airbags, etc., to adhere to internal Risk Limits and to ECN thresholds
- Managed locally the build out of low latency feed handlers to various APAC venues (SGX, KRX) for NDF trading

ED, Macro Site Reliability Engineer, Mumbai, India / 2021 – 2022
Spearheaded the newly established Site Reliability Engineering (SRE) org in the region to increase observability, reduce toil by Robotic Process Automation, and build tools that help accelerate transition of L1 and L2 support responsibilities from developers to Production Management team. Key deliverables include:
- Increased telemetry and observability of apps by publishing the metrics and traces from Splunk/Dynatrace to Prometheus; and building Grafana dashboards to reduce RTO and MTTR
- Defined SLIs, SLOs, and Error Budgets; aligned tech objectives with business expectations.
- As a co-location strategy-built QA, DevOps and Prod Management teams for Macro e-Trading.
- Stabilized Asia Start of Week and Start of Day issues and End of Day Downstream recurring issues.

ED, India Head of Macro Technologies (FX, EM, Rates & Commodities), Mumbai, India / 2013 – 2022
Served as a site-leader responsible for India location and growth strategy and support during APAC hours. Responsible for recruitment, training, careers, compensation, performance, quality of delivery, and integration with global teams.
- Established cross-functional teams to deliver end-to-end on trade and order execution flows – ie., Pre-Trade, Post-Trade, and Trade Processing and Risk Management for FX, Rates and Commodities products
- Matured model from staff augmentation to ownership; Encouraged Product mindset. Led, trained, and coached teams on Jira, Agile, Testing and Scrum; Promoted continuous learning and empirical approach to complex work.
- Planned location expansion to foster cross-team collaboration and maximize knowledge sharing, improve self-reliance, local decision-making capability, and ensuring scrum teams work from unified product backlogs
- Improved diversity and inclusion in the team from 20% to 40% by closely managing recruitment and retention
- Encouraged, by example, participation in various horizontal initiatives and philanthropic activities to strengthen the one-team culture and build a brand; championed Force for Good NGO programs and IIT campus hiring

Morgan Stanley, India/NY   **Month 2002 – May 2013**
Vice President, Morgan Stanley Primary Dealership Desk Strategist, Mumbai India / 2009 - 2013
Served as Desk Strategist for India Primary Dealership. Desk Strats are SPOCs for all Products. Key deliverables include:
- Built Primary Dealership technology heavily used till date by Trading, Operations, Compliance
- Envisioned and developed an efficient Product (SharP) that satisfied all regulatory requirements and passed the RBI Audit 100%. Seamlessly integrated SharP with all the global products using existing and new APIs
- Setup the INR yield/swap curves and extended other global platforms for both onshore and offshore markets for correct booking, pricing and risk calculation. Created automated process for portfolio compression in SharP
- Stakeholder collaboration with all the business support teams - Compliance, Audit, Credit Risk, GTI, Market Risk, Operations, Sales and Trading – and with the Regulator RBI and CCIL – ensured that PD remained compliant
- Worked with Sales, Trading, and COO to write a Business Plan for establishing MS Bank branch in India

Vice President Morgan Stanley Rates E-Trading Product, NY / 2002 – 2009
Served in the capacity of Interest Rates desk face-off and Product owner for application upgrade of Risk Management System (Alpheus), D2D Trading Platform (Virtual Markets), and D2C Trading Platform (iDeal). Key deliverables include:
- Co-located with front-office to accurately prioritize product enhancement requests in the product backlog
- Actively participated in Sprint planning, design and implementation discussions, and Retrospective
- Ensure that Production Management is abreast with functional and non-functional increments released

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ADDITIONAL PROFESSIONAL EXPERIENCE
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- **Bear Stearns,** FAST Core Technology, Software Developer, NY / Nov 1999 – Nov 2001

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EDUCATION & CERTIFICATIONS
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Master of Science (MS), Computer Science, Monmouth University, NJ

AWS Certified Cloud Practitioner and Solutions Architect (SAA)
Scrum.org Certified Professional Scrum Master (PSM)
Scrum.org Certified Professional Scrum Product Owner (PSPO)

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ADDITIONAL PROFESSIONAL EXPERIENCE
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Authorized to work in the United States (US Citizen) and India (OCI)