SANMEET JASUJA

San Francisco, CA 94102 | (408)-480-2969 | sanmeet.jasuja@gmail.com | www.linkedin.com/in/sanmeetiit

Senior Software Engineer | ML-Driven Backend Systems | Former Product Manager | Scalable Microservices Expert

PROFESSIONAL SUMMARY

Senior Software Engineer with a Product Management background, specializing in scalable ML systems, cloud-native backend platforms, and event-driven architectures. Currently part of Walmart's highly selective Last Mile Delivery team (top 10% selection rate), where I design and deploy high-impact machine learning and microservice solutions at scale. Experienced in leading end-to-end technical initiatives that drive measurable operational and cost efficiency across logistics and e-commerce ecosystems.

TECHNICAL SKILLS

- **Languages:** Python, Java, C++, MySQL
- **Frameworks/Technologies:** Spring Boot, Django, Apache Kafka, Azure, Elasticsearch
- **Core Competencies:** Machine Learning Model Optimization and Deployment, Microservices Architecture, SQL/NoSQL Design, Distributed Systems, A/B Testing
- **Business Tools:** Product Requirement Docs, Product Roadmaps

PROFESSIONAL EXPERIENCE

Walmart Global Tech Sunnyvale, CA
Senior Software Engineer 2023 – Present
- Engineered a scalable machine learning model to adjust driver earnings, saving $33M annually without affecting service KPIs.
- Developed a predictive driver search model, reducing offer response times and improving acceptance by over 8%.
- Led the migration of Last Mile Delivery data systems from Oracle to Azure SQL with sharding for scalability and low latency.
- Built a Trip Execution microservice from a legacy monolith to support diverse logistics including P2P and third-party delivery.
- Designed modular API integrations connecting new microservice to optimization, pricing, driver app, and fulfillment systems.
- Oversaw Kafka event migration for 30+ downstream consumers while ensuring system reliability and backward compatibility.
- Created a phased rollout and ramp-up plan to de-risk migration to microservices during high-traffic sale periods.
- Collaborated cross-functionally with data, product, and infra teams to ensure reliable deployment of ML-based logistics tools.
- Implemented real-time monitoring and performance tuning tools to support mission-critical delivery systems at scale.
- Selected to join Walmart's elite Last Mile Delivery team, an internal group with a sub-10% engineering acceptance rate.

Software Engineer 2021 – 2023
- Spearheaded the Check-in 2.0 system for curbside pickup, boosting adoption by 35% with robust multi-app integration.
- Integrated Check-in platform with Spark Driver App and internal tools using Kafka, Elasticsearch, and cloud scaling.
- Built a cloud-native, auto-scaling geofencing service supporting complex shapes, cutting wait times for drivers by 40%.
- Developed UI and backend for geofence CRUD operations, enabling store-level detection for optimized pickup logistics.

Senior Product Manager (Technical) 2019 – 2021
- Directed product efforts for Walmart Curbside Pickup used by 3M+ users, enabling safe, contactless grocery retrieval.
- Launched voice-based check-in for curbside pickup, replacing 500K support calls and saving $7M annually in labor.
- Pioneered Walmart's autonomous grocery delivery pilot with Gatik, scaling operations to over 100 weekly trips.

EDUCATION

MBA & MS (Dual Degree) | 2015-2018
University of Michigan – Ann Arbor, MI

Bachelor of Technology | 2005–2009
Indian Institute of Technology – Roorkee, India

HOBBIES & INTERESTS

- Completed five half-marathons with an average time of under 2 hours
- Active participant in the Bay Area swing dance and jazz music community