

EMPLOYMENT

Staff Software Engineer

Intuit

Sep 2022 - Present

- Partner with Product Management as a solution architect, translating high-level product vision into scalable, resilient system designs while balancing technical debt and business velocity.
- Architected & Scaled Sales Order transaction: Designed and delivered the Sales Order (SO) domain end-to-end across 13+ sub-systems (SO Linking, Auditing, Global Search) with zero P0/P1 incidents, driving a **12x increase in monthly order volume (84K to 1M+)** and serving 100% of enterprise tiers.
- Designed full bi-directional Sales Order Linking (Estimate → SO → Invoice → PO), now adopted by 15,000+ business customers processing over **4,500 transactions daily**.
- Led the cross-domain architecture for Multi-Location Inventory 2.0, securing technical alignment and executive sign-off across 5 independent domain organizations (Money, Reporting, Accounting, Ceres, QBO Monolith).
- Platform Engineering & Developer Leverage: Designed a generic task scheduler engine for data reconciliations, backfills, and purges—processing **200M+ tasks, accelerating developer throughput by 4x**, and establishing a core platform capability.
- Performance & Infrastructure Optimization: Spearheaded deep-dive heap dump analysis on high-traffic services to **cut memory consumption by 40%** and boost event processing efficiency by 70%, while reducing AWS DynamoDB and RDS footprint to **save \$20K+ in monthly operational costs**.
- High-Throughput Modernization: Re-engineered the core Bulk Import platform to handle heavy variant mutations, enabling 2,500+ active enterprise accounts to reliably ingest and mutate **~450,000 inventory items weekly**.
- GenAI Leadership & AI Adoption: Championed org-wide AI adoption to achieve **80% AI-generated code and 100% test-suite coverage across team**, while prototyping Generative AI capabilities for dynamic warehouse shipping route optimization and automated product metadata extraction.

Senior Software Developer

Airtel X lab

Aug 2021 - Sep 2022

- Engineered high-traffic e-commerce solutions for the digital acquisition platform, enabling seamless online procurement of DTH, Postpaid, Prepaid, and Broadband services.
- Improved web page load times and system responsiveness by **30%** by architecting and implementing advanced data caching strategies.
- Designed and implemented a localized pricing engine to support dynamic, location-based cost differentiation across various regions.

Software Developer

Paytm

May 2019 - July 2021

- Developed backend systems for Alipay's global payment platform, owning core processing flows for financial reconciliation, conciliation, and automated refund management.
- Boosted successful transaction rates by **20%** by designing a Status Query Controller powered by a custom Sliding Window algorithmic technique.
- Reduced fund-back discrepancies by **40%** by optimizing the payment status query infrastructure and real-time state machine.
- Scaled system capacity to process **2 Million transactions daily** by re-designing the payment gateway's offline engine into a highly distributed batch processing system.
- Enhanced overall transactional efficiency and reporting clarity by decoupling and isolating traffic pipelines based on business payment types (UPI, CC, DC).
- Engineered an automated transaction fee calculation engine and discrepancy reporting framework to ensure strict financial auditing.

Software Developer

Milagro Interactive

July 2016 - January 2019

- Developed a lead-documentation platform that **reduced manual reporting time by 75%** for managers and sales personnel.
- Engineered an indoor real-time positioning feature using a Greedy Algorithm to compute shortest paths within corporate facilities.
- Created a reusable, centralized data validation library that cut engineering cycle times by **30%** for the development team.
- Designed a project analytics dashboard that optimized workforce visibility, reducing administrative overhead by **60%** for management.

SKILLS & COMPETENCIES

- **Languages & Frameworks:** Java, Kotlin, Spring, Hibernate, Multi-threading
- **Architecture & Systems:** System Design, Distributed Systems, Microservices, Batch Processing, High-Throughput Pipelines
- **Cloud & DevOps:** AWS (DynamoDB, EC2, S3), Podman
- **Databases:** PostgreSQL, DynamoDB, MySQL, MongoDB