Jay Mehta

Senior Software Engineer | Product-Minded & Impact-Driven

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Summary

Business-focused engineer with 9+ years of experience. My career spans from co-founding a startup and selling solutions directly to clients to leading high impact initiatives at companies like Visa, PayPal & Amazon. Proven ability to identify strategic opportunities, lead development from idea to launch, and deliver measurable business value. Seeking a direct customer-facing role to help clients solve their most challenging technical and strategic problems.

Skills

Solution Architecture, Distributed Systems, Full Stack, TypeScript, Java, Go, AWS, Docker, Kubernetes, CI/CD

Experience

Staff Software Engineer @ Visa | May 2024 - Present

- Identified significant over-provisioning in a 100 GB ETL pipeline(Spark); proposed and led a cost optimization initiative that improved resource utilization on AWS EMR, reducing infrastructure costs by over $360K annually (34% savings)
- Increased team productivity by 20% by driving adoption of various Gen AI tools
- Improved codebase by implementing AOP in a legacy Spring Boot application to decouple logic for logging and security, significantly reducing troubleshooting and development time for new endpoints
- Led a team of 5 developers to build a modular and containerized(Docker) UI platform from the ground up with React & TypeScript, now used by 3 teams, brought standardization and cut front-end dev time for new pages/modules by 35%

Senior Software Engineer @ PayPal | Oct 2022 - May 2024

- Served as a primary technical contact for 30+ pilot merchants to launch Braintree's package tracking feature to manage integration and troubleshoot issues for a pilot processing 12,000+ tracking events monthly. Internally, led the API development, asynchronous linking(Kafka) with PayPal and upgraded all 6 server-side SDKs for the feature
- Built merchant onboarding and payment notification workflows for the Braintree & Meta Checkout integration(now sunset), enabling seamless payments for FB and Instagram shops and successfully launching with over 50 merchants

Software Development Engineer 2 @ Flexe | August 2021 - Oct 2022

- Resolved system scalability bottlenecks in Ruby-on-Rails service by migrating core workflows from request-response to an event driven architecture utilizing GCP PubSub; increased system throughput by 30% and improved fault tolerance to support larger customer loads
- Simplified codebase by removing 10+ obsolete feature flags and automating future cleanup via Slack

Software Development Engineer @ Amazon | April 2019 - August 2021

- Helped combat counterfeits by developing a high-throughput system to process ingestion of traceability visibility events from brands, FCs & partners in multiple formats and track job statuses for several asynchronous workflows for Transparency program, the system processed over 2.5M+ daily events with 99.9% availability by harnessing the power of core AWS services like DynamoDB, Fargate, Lambda, S3, Step Function, SNS, SQS, CloudWatch and API Gateway
- Identified legacy(Swift/Java) mobiles apps as a key blocker to international expansion; proposed and spearheaded strategic migration of the Transparency mobile app to React Native(cross-platform) to accelerate development and launched it in 8 countries' AppStore and PlayStore, including a critical integration with the main Amazon shopping app
- Improved engineering excellence by upgrading the quality of pipelines of over 10 legacy services to full CI/CD status and integrating with LPT Visualizer for better IaC management

Early Career Experience @ Honeywell, SAP Labs, Georgia State University | 2016 - 2019

- Gained foundational experience through roles as a Software Engineer (Honeywell), Intern (SAP Labs), and Graduate Research Assistant, contributing to enterprise systems, the CDC and co-authoring a published research paper

Co-Founder and Software Engineer @ Bridge | August 2013 - December 2015

- Bootstrapped a startup to deliver an efficient digital ordering and checkout experience to restaurant guests and staff
- Created and sold a feature-rich RFID Cafeteria Management Solution to Raychem RPG, currently used by 4,000+ users daily, reducing their cafeteria operating cost by 25%

Education

Master in Computer Science | Georgia State University, Atlanta
Bachelor in Computer Engineering | Gujarat Technological University, India