

Jay Mehta

Senior Software Engineer | Product-Minded & Impact-Driven

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Summary

Software Engineer with over 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 opportunities to tackle meaningful challenges and apply my time and skills to create useful products and services.

Skills

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

Experience

Staff Software Engineer @ Visa | May 2024 - Present

- Identified significant over-provisioning in a 100 GB ETL pipeline; 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) mobile 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