

Shriram Bhat

Senior Software Engineer · Pricing Systems & Platform Engineering · Fintech

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PROFESSIONAL SUMMARY

Senior Software Engineer with 9+ years of experience building revenue-critical pricing platforms at PayPal and enterprise security products at scale. At PayPal, led end-to-end architecture and delivery of the Smart Deals Pricing Framework — a real-time policy combination engine directly contributing to the strategic target of automating 75% of SMB deals across a multi-billion-dollar payments ecosystem. Designed systems handling millions of daily transactions, presented architecture to PayPal's Architecture Review Group, and authored org-wide engineering guidelines adopted across the pricing organisation. Earlier, shipped HCL Software (R&D)'s first open-source product (AppScan CodeSweep), now used by 57,000+ developers on VS Code. Experienced tech lead and mentor who drives clarity from ambiguity, owns decisions end-to-end, and builds for long-term scale.

TECHNICAL SKILLS

Languages:	Java, C++, C#, JavaScript, TypeScript, SQL, GoogleSQL, HTML
Backend & APIs:	Spring Boot, JAX-RS, JPA, JDBC, REST, Microservices, NodeJS, AMQ (Message Queues)
Cloud & Infra:	GCP, Kubernetes, Docker, Helm Charts, Azure
Databases:	Oracle SQL, MySQL
Testing & Tools:	JUnit, Maven, Gradle, Postman, JMeter, Git, JIRA, Swagger
AI Tooling:	Claude, GitHub Copilot, Codex, Agentic AI
Key Concepts:	Distributed Systems, Event-Driven Architecture, Rule Engines, Pricing Systems, System Design

PROFESSIONAL EXPERIENCE

Senior Software Engineer

PayPal · Bangalore, India · May 2025 – Present

Smart Deals Pricing Framework & Sales Cycle Optimization

- Architected and delivered Project Patagonia Phase 2 ('Ala Carte') — a real-time policy combination engine powering PayPal's Smart Deals pricing platform — directly contributing to the strategic target of routing 75% of SMB deals through pre-approved pricing guardrails, accelerating deal velocity and eliminating manual pricing bottlenecks.
- Designed an intelligent fallback-only policy matching algorithm (nearest/farthest TOV/TPV logic) that assembles pre-approved pricing in real time when no exact policy match exists — ensuring Sales reps always get a valid recommendation across 8+ rate card configurations and product lines including Branded Wallet, ACDC, Virtual Terminal, and DCC.
- Engineered policy merging logic across 15+ eligibility parameters (ASP, TPV, country, currency, industry, vertical, segment) with full policy lineage tracking (source_policy_ids, MERGED origin flag) for downstream traceability — zero pricing inconsistencies reported post-launch.
- Made key architectural decisions on a system processing millions of daily merchant transactions: fallback-only engine activation to avoid disrupting existing flows, two new indexed policy attributes (fee-type search + bundle eligibility) without breaking 20-attribute index structure, and a zero-cache-impact design eliminating rollback risk.
- Extended Price Guidance to Back-book (existing) merchants, unlocking structured re-pricing, upsell, and cross-sell motions across PayPal's entire existing merchant base — previously handled exclusively through manual Pricing Ops review.
- Built a configurable Rule Engine and bundle discount framework enabling the Pricing Strategy team to self-serve discount configurations across product combinations, eliminating engineering dependency for routine pricing changes.
- Delivered end-to-end observability across the Search API with 6 active analytics tracks measuring SMB coverage uplift — giving Pricing Strategy a real-time feedback loop to continuously close the gap toward the 75% target.
- Mentored junior engineers across multiple PayPal pricing initiatives on system design, domain knowledge, and engineering best practices — contributing to faster team onboarding and reduced review cycle times.

Software Engineer 3

PayPal · Bangalore, India · May 2022 – May 2025

Braintree Integration & Volume-Based Pricing

- Designed and delivered an automated volume-based pricing solution for PayPal and Braintree merchants, replacing manual pricing workflows and contributing to measurable revenue optimization across a multi-billion-dollar payment platform.
- Achieved 100% automation of Braintree merchant onboarding by consolidating all PayPal pricing processes into a unified system — eliminating manual intervention, closing compliance gaps, and cutting onboarding time significantly.

Price Category Generation & Automation

- Took full ownership from ambiguous requirements — independently defined the technical approach, designed the entire system architecture end-to-end, and presented it to the Architecture Review Group for approval before implementation.
- Drove org-wide alignment by authoring comprehensive technical documentation post-launch, shared as an engineering guideline across the PayPal pricing org for teams to follow.
- Led a team of 4 engineers through the full delivery lifecycle — breaking down work, unblocking teammates, making key design decisions, and representing the team to senior stakeholders — reducing manual merchant onboarding effort by 95%.
- Designed and configured the business rules layer for the Price Category Automation API, enabling dynamic rule evaluation during onboarding and reducing hardcoded logic that previously required engineering intervention.
- Made multiple high-impact architectural decisions while handling millions of daily transaction records, prioritising clean boundaries, data consistency, and long-term scalability over short-term shortcuts.

Maker-Checker System

- Identified a recurring compliance gap across PayPal pricing workflows and — without a formal mandate — proposed, architected, and delivered a generalized Maker-Checker review system from the ground up.
- Actively promoted adoption across teams by presenting the system, writing integration guides, and supporting other squads in onboarding; now used org-wide as the standard approval layer for all pricing updates.
- Tech stack: Java, Spring Boot, REST APIs, Microservices, Oracle DB, JDBC, Caching, Swagger, AMQ.

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HCL Software (R&D) · Bangalore, India · Feb 2019 – May 2022

AppScan Enterprise & AppScan Security Info

- Built and owned core features of AppScan Enterprise, a world-class on-premises and cloud-based application security platform used by thousands of enterprise customers globally to scan applications and source code for vulnerabilities.
- Developed AppScan Security Info, a centralized security knowledge repository unifying advisories, fix recommendations, and issue data across the entire AppScan product family — improving mean time to resolution for security teams.
- Worked across both cloud and on-premises product variants, gaining deep experience in building security tooling at enterprise scale.

AppScan CodeSweep (Open Source)

- Solely designed and shipped AppScan CodeSweep — HCL Software's first-ever open-source product — a VS Code extension that detects security vulnerabilities in real time during development using the AppScan Custom Scanner microservice.
- Product has grown to 57,000+ installs on the VS Code Marketplace and 100,000+ total users across platforms, directly impacting developer security practices worldwide.
- Pioneered the open-source initiative at HCL Software R&D, setting the precedent for subsequent open-source releases from the division.
- Tech stack: Java, Spring Boot, REST, Microservices, JavaScript, TypeScript, Node.js, Dojo.

Application Developer

IBM India Pvt. Ltd · Chennai, India · Jan 2017 – Feb 2019

- Developed MetLife Knowledge Forum, an enterprise-grade application managing thousands of MetLife project records — covering test cases, stakeholder data, risk assessments, and security details — used across MetLife's global technology

teams.

- Recognized with two IBM Manager's Choice Awards for 'Put the Client First' and 'Unite to Get It Done' practices, reflecting consistent delivery and stakeholder focus.
 - Tech stack: C#, ASP.NET, SQL Server, JavaScript, jQuery, HTML, CSS, Bootstrap.
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EDUCATION

Bachelor of Engineering — Computer Science & Engineering

Sapthagiri College of Engineering, Bangalore · 2012–2016 · Distinction (VTU)

Software Development & System Design

Scaler Academy, Bangalore · Dec 2021 – Nov 2022

HONORS & AWARDS

- PayPal Phenom Award — Led and delivered Quick Quotes Phase 2, recognized for exceptional execution (Feb 2026)
- PayPal Powerhouse Award — Led and delivered Braintree Volume-Based Pricing (Jul 2025)
- PayPal Payments Engineering Mentor Award — Recognized for cross-org mentorship and knowledge sharing (Sep 2023)
- HCL Spot Award — Led and delivered AppScan CodeSweep v1.0, HCL Software's first open-source product (Apr 2020)
- IBM Manager's Choice Award x2 — 'Put the Client First' and 'Unite to Get It Done' practices (2018)