

Darpan Goyal

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EXPERIENCE

PayPal, San Jose, CA

Senior Software Engineer, Fastlane

Dec 2025 – Present

- **Tech Lead** for the Fastlane Profile Management team, maintaining *fastlane.paypal.com* and leading the development of a secure, user-friendly profile management site for **2M+ users** built using Node, React, and Next
- Designed and implemented secure multi-factor auth (MFA) on the Fastlane site, adding CVV checks as a second factor, increasing security of the application and meeting a strict 45-day compliance deadline

Software Engineer 2, Fastlane

Jun 2022 – Dec 2025

- Led design & deployment of a **GenAI**-powered help chatbot with contextual memory & friendly responses, boosting response accuracy by 35% and aiming for 30–50% fewer help form submissions
- Led the high-impact Fastlane rebrand project involving 150+ stakeholders; oversaw complex transition to the new domain at *Fastlane.paypal.com* in 2 months with no user impact and 100% bug-free deployment
- Built a high-impact Accelerated Checkout UI experience for thousands of merchants and millions of users, generating **\$100M+** in total payment volume annually using Web Components and the Stencil framework, helping merchants increase their conversion rates by over 10%
- Architected Fastlane Guest Signup flow generating **50K+ signups**, partnering cross-functionally with Design and Product teams to deliver an intuitive, responsive UI experience in React & Next.js
- Led migration from Jenkins to Harness, speeding up CI/CD pipelines by 30%; created documentation & trained 50+ engineers across 8 teams in the org to onboard quickly and maintain 100% green pipelines.
- Authored High-Level Design documents (HLD), Low-Level Design documents (LLD), Architectural Decision Records (ADRs) for Fastlane privacy, security & infra projects, ensuring scalability, performance & compliance.
- Built *fastlane.paypal.com* Monitoring Dashboard in Datadog, closing 10+ monitoring gaps and cutting time-to-detect by 23% by adding alerting; trained team in advanced observability.
- Drove security & compliance, resolving JWT token leakage & spam protection issues, achieving SAST compliance ahead of deadlines, and leading RCAs for production incidents.
- Mentored 1 intern and onboarded 5 engineers; performed 100+ annual code reviews, reducing rework by ~20%.

Software Engineer, Web Platform

Aug 2020 – Jun 2022

- Designed and Engineered CDN rollback flow, reducing bad deployment impact by 90%, **saving \$1M+** per incident
- Improved performance by reducing origin server traffic by 40% and static asset load times by 15% by fixing caching issues & implementing Brotli compression.

Software Engineer Intern, Web Platform

May 2019 – Aug 2019

- Developed Slack bot deployed in Docker on GCP VM to aggregate Node.js crash alerts, reducing noise from 100K+ monthly emails for 1,200+ developers while improving error logging across 350+ Node.js apps by adding custom handlers for uncaught exceptions and unhandled promise rejections.

EDUCATION

B.S. Computer Science with Honors

San Jose State University

Graduated: May 2020

GPA: 3.72

SKILLS AND TECHNOLOGIES

Frontend: React, Next.js, Web Components, Stencil, TypeScript, JavaScript, HTML/CSS, Tailwind, RTL, Playwright, Jest

Backend: Node.js, Java, Python, API Design, NGINX, Content Delivery Networks

DevOps & Cloud: Docker, Google Cloud Platform, CI/CD Pipelines, Linux, Git

AI/ML & Emerging Tech: GenAI Chatbots, Prompt Engineering, AR/VR Development

Other: Architectural Decision Records, Performance Optimization, Accessibility (WCAG), Localization (i18n)