

AMIT BANSAL

SENIOR STAFF FRONTEND ARCHITECT

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(U.S. Permanent Resident · no visa sponsorship required)

PROFESSIONAL PROFILE

Senior staff frontend architect with 20+ years of experience designing large-scale, consumer-facing web platforms for fintech and enterprise companies including PayPal, Cisco, eBay, Oracle, and Bank of America.

Currently architecting **PayPal's One JS SDK** - consolidating Login with PayPal, FedCM, and Personalization Offers into a single silent-authentication platform.

PayPal CTO Award recipient (2025) for pioneering silent authentication technology for FedCM at PayPal.

Architecture Focus: Deep specialization in micro-frontend architecture, design-system-driven component platforms, state management at scale, and performance engineering across React, Angular, Vue, and TypeScript.

Hands-on technical leader: mentorship, architecture reviews, and AI-assisted development (Claude Code, GitHub Copilot, MCP (Model Context Protocol), Agentic AI).

Outside of work, I am passionate about fine woodworking and exploring new restaurants with family.

SKILLS

Architecture: Micro-frontends, SDK design, component-based design systems, metadata-driven UI, state management at scale (Redux, Context, signals)

Frameworks: TypeScript, JavaScript (ES6+), React, Angular, Vue.js, Node.js, GraphQL, Webpack / Vite

AI Engineering: Claude Code, GitHub Copilot, Model Context Protocol (MCP), Agentic AI integration.

Identity & Security: OAuth2, OIDC, FedCM, WebAuthn / FIDO2, SAML, JWT, MFA, SSO, FDX Open Banking

Performance & Delivery: Core Web Vitals, code-splitting, bundle analysis, CI/CD, BrowserStack cross-platform testing, WCAG

Leadership: Technical mentorship, code-review culture, architecture decision records, working closely with UX, product, and backend teams

EDUCATION

Post Graduate Diploma, Advanced Computing

CDAC, Hyderabad, India - 2004

B.Tech, Information Technology

M.J.P. Rohilkhand University, India - 2003

ACHIEVEMENTS

PayPal CTO Award, 2025

For the FedCM silent authentication work

eBay Skunkworks Winner, 2012

Judges' top choice in the company-wide innovation contest

Best Presentation, eBay Poster Contest

"Web Speed – Nuts & Bolts"

WORK EXPERIENCE

SR. STAFF WEB SOLUTION ARCHITECT - IDENTITY PLATFORM

Aug 2022 - Present

PayPal / San Jose, CA

- Architect of **One JS SDK**, PayPal's unified JavaScript SDK. It merges LIPP, FedCM, and Personalization Offers into one platform that merchants integrate once.
- First to bring FedCM (browser-native federated login) to PayPal: silent authentication that respects user privacy, worth about 24 bps in total payment volume, and the reason for the 2025 CTO Award.
- Moved the consent and Connect flows from Angular to React with no downtime. P95 page loads improved by roughly 40%. FDX Open Banking compliance intact.
- Designed the Embedded Identity & Offers SDK, an iframe-based micro-frontend that merchants can drop into their sites without touching their own code.
- Driving account linking with Google, Amazon, Meta, and Apple, plus 14 financial institutions including Discover, Citi, and Bank of America.
- Built a proof of concept for agentic AI identity on Model Context Protocol, letting assistants like Claude and ChatGPT authenticate and act on a user's behalf.
- Mentor six engineers and set the team's review guardrails for AI-generated code.

LEAD SOFTWARE ENGINEER - CONSUMER CHECKOUT

Jun 2018 - Aug 2022

PayPal / San Jose, CA

- Rebuilt legacy checkout on React, Node.js, and GraphQL (Checkout Lite), ensuring scalability, performance, and identity integration.
- Authorization-rate work added **57 bps, double the FY2019 target**. OTP recovery for risk-declined users added another 21 bps of TPV, and the guest checkout redesign added +3 bps of TPV.
- Fastlane components – Built the reusable React component library (auth, payments, shipping).
- Established cross-platform identity testing (BrowserStack Web/iOS/Android) and modern browser-based unit testing.

SENIOR TECHNICAL LEADER - FRONT-END ENGINEERING

Feb 2016 - May 2018

Cisco Systems / San Jose, CA

Cisco Kinetic - IoT Platform (Feb 2017 - May 2018)

- Built the shared UI components repository (e.g., DataTables, carousel, D3 graphs, steps wizard, modal dialogs, etc.) for the Cisco Kinetic IoT platform using Cisco's Atlantic design standards.
- Created IoT UI infrastructure from VueJS / Node.js / MongoDB, with ESLint and Jasmine unit testing framework.
- Used Vue.js Framework with webpack and an Express.js server.

Cisco ACI - Insieme group (Feb 2016 - Jan 2017)

- Developed components for Cisco's fast-paced and highly visible application policy infrastructure controller (APIC) portal.
- Advanced UI components, such as displaying tenants used in the data center network layers using D3 graphs.
- Moved from ExtJS legacy code to React-based components by using Cisco's Atlantic design standard.
- Used ExtJS and the Jasmine unit testing framework.

PRINCIPAL WEB ENGINEER

Mar 2015 - Jan 2016

Oracle Inc, Belmont, CA

Project - Dashboard Framework Design and Architecture.

- Worked on designing and architecting the dashboard framework for database service widgets for the Oracle ACS system.
- This dashboard was built as a Single Page Application with Knockout.js, Sammy, require JS, and GridStack (for implementing grid layout) libraries and was built as a generic platform where developers can create their own widgets using the REST APIs.

SENIOR FULL STACK / UI ENGINEER

Nov 2011 - Feb 2015

eBay Inc, San Jose, CA

Project - Shopping Cart & Checkout

- Developed and designed the UI for the shopping cart on eBay from scratch, in line with the company's mobile-and-desktop-first goal.
- Millions of people access the shopping cart daily, so performance, maintainability, and scalability were critical while designing this app.
- Launched the shopping cart in multiple countries, including the US, UK, Germany, Italy, and France.
- Redesigned the shopping cart UI as per eBay DS4 standards, addressing customers' main pain points with improved design.

SENIOR APPLICATION DEVELOPER — WEB ENGINEERING

Jul 2005 - Nov 2011

Bank Of America, Concord, CA

Project - Online Banking Account Overview and Transfer Funds

- Developed screens for banking center end-to-end enrollment flow.
- Built screen for RSA SecureKey SafePass device using mWeb.
- Developed user interface for Account Overview and Transfer Funds pages.