

Ajay Narang

Solution Architect & Lead Developer

Address San Antonio, TX, USA

Work Auth H-1B stamped · I-140
approved · 6 yrs US experience

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Solution architect, lead developer, and AI-native builder. Seventeen years of architecting and shipping production software, banking systems at Fiserv, a greenfield commerce platform for Imperial Brands at Publicis Sapient, and e-commerce builds for early-stage startups in India. Builder first; comfortable owning systems end-to-end, from data modeling and API design through to DevOps and frontend craft.

Currently solution architect on the Imperial Brands engagement at Publicis Sapient - a multi-tenant, multi-language CMS-driven commerce platform on a MERN stack with Salesforce as the data layer. Hands-on across the React/Next.js, Angular, Node.js, CI/CD and AWS cloud ecosystems, with solid experience in microservices, headless architectures, and AI-augmented systems (RAG, agents, MCP, workflow), .

Six years on-site in San Antonio, USA. Approved I-140.

❖ Skills

◆ **AI / Agents:** Anthropic, OpenAI, Gemini, Vercel AI SDK, Mastra/LangChain, Langfuse, LangChain, RAG, MCP, AI Agents, Inngest, pgvector

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◆ **Frontend:** React, Next.js, TypeScript, Angular + NgRx, Redux, Tailwind, shadcn/ui, TanStack Query, Zustand, Micro-Frontends

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◆ **Backend / APIs:** Node.js, NestJS, Express, GraphQL, REST, BullMQ, Tyk API Gateway, Microservices, Serverless

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◆ **Data:** PostgreSQL, Oracle, MongoDB, Redis, Prisma, pgvector

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◆ **Platform / Infra:** AWS (ECS, RDS, S3, Cache, CloudFront etc..), Terraform, Vercel, Docker, GitHub Actions, Jenkins, Grafana / Loki / Tempo

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◆ **Earlier stack (production):** Java Spring Boot, .NET / C#, ASP.NET, WPF

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❖ Work History

**Apr 2025 -Apr
2026**

Senior Technical Manager

Solution Architect

Publicis Sapient - Imperial Brands engagement

- Solution architect on a greenfield, multi-tenant, multi-language CMS-driven commerce platform for Imperial Brands.
- Designed end-to-end architecture using MERN with Salesforce as the data layer and a headless CMS for content authoring across markets.
- Defined multi-tenant patterns covering tenant isolation, content modeling, localization, and shared platform services across geographies.
- Led integration design across Next.js/React , Express, PostgreSQL/Prisma, Headless architecture, Contentful,
- Drove architectural decisions across Vercel AI Gateway, Anthropic, and OpenAI for AI-assisted experiences;
- Owned non-functional concerns - performance, security, observability, and CI/CD tel, k8 deployment with helm and containers and partnered with cross-functional teams across business, UX, and delivery.
- Mentored engineering leads and reviewed designs across multiple workstreams.

**Nov 2020 - Nov
2024**

Advisor I/II Software Engineering

Lead Full-Stack Architect

Fiserv India Pvt. Ltd, Noida India

- Architect/Design and active development of frontend and backend applications.
- Worked with the architect team to improve DevOps workflow and automation.
- Collaborated with business, UX, and management to design seamless and intuitive user experiences.
- Ensured optimal performance and accessibility across applications.
- Worked with the backend team to deliver complete end-to-end solutions.
- Conducted code reviews and other measures to maintain code quality.
- Guided and mentored team members and helped junior developers.
- Delivered the New Member platform saving an estimated \$1M for the launch credit union, alongside several greenfield and brownfield projects across the portfolio

**Jan 2014 -Sep
2020**

Technical Lead

Lead Developer

Fiserv Inc., San Antonio, TX, USA

- Designed/architected and actively developed frontend applications.
- Collaborated with business, UX, and management to deliver innovative, user-friendly designs.
- Ensured optimal performance and accessibility.
- Worked with backend and architect teams to deliver complete solutions.
- Worked with project management to run scrum meetings and project planning.
- Provided troubleshooting and support to debug critical production issues.
- Led delivery of greenfield and brownfield platforms across the credit-union portfolio - online banking, member onboarding, account processing, and mortgage origination, partnering on architecture and shipping production systems still running today.

**Mar 2007 -Jan
2014**

Senior Software Developer

Lead/Senior Full-Stack Developer

Fiserv Inc., Noida, India

- Active development across multiple credit-union and travel-industry products including Virtuoso Online Banking, Master Person 4, Cash Dispenser/Recycler, Back Office Manager, Teller Next Generation, and FQSuiteCase.
- Peer code review, mentoring junior developers, and stakeholder interaction across product and business teams.

❖ Education

**Jun 2004 -Jan
2007**

MCA (Master of Computer Applications)

MD University - Rohtak

**Apr 2001 -Jul
2004**

DOEACC 'A' Level

Advanced Diploma in Computer Application - New Delhi

Jul 2001 -Jul 2004

B.Com (Hons)

Shaheed Bhagat Singh College - Delhi University - New Delhi

May 2001

12th Standard (Senior Secondary)

CBSE - New Delhi

Jun 1999

10th Standard (Secondary)

CBSE - New Delhi

❖ Accomplishments

- Estimated \$1M+ in onboarding cost savings delivered to a US credit union via the New Member Online platform.
- Production systems shipped at Fiserv are still running today - RBFCU online banking, member onboarding, and account-processing extensions used daily by tens of thousands of credit-union members and staff.
- Six years on-site in San Antonio, USA, leading critical-path delivery for Fiserv banking products. Approved I-140.
- Designed and built Sally - a multi-tenant, AI-native fleet operations platform with 100+ MCP tools, agents-as-employees architecture, and an open MCP server enabling customer access from Claude Desktop, ChatGPT, and other AI clients.

Earlier recognition at Fiserv: Excellence Level 3 (2012), Annual Achiever Award (2009), Shining Star Awards (2007-2008).

❖ Recent Focus Areas

AI agents and the MCP protocol, multi-tenant SaaS architecture, model-agnostic AI tooling (Mastra, Vercel AI Gateway), agentic workflows in production, and headless / CMS-driven commerce platforms.

❖ Independent Work

Sally : AI-native fleet operations platform

Independent Builder, 2025 - Present

Live demo: <https://staging.sally.appshore.in>

Technologies stack: Next.js, NestJS, PostgreSQL, Prisma, pgvector, Mastra, MCP, Vercel AI Gateway, Anthropic, OpenAI, Gemini, LiveKit, Inngest, Samsara, QuickBooks, Twilio, AWS, Terraform.

Independently building Sally - an AI-native operations platform for small US trucking fleets, where AI agents handle dispatch, document processing, compliance, and back-office work end-to-end rather than just tracking it. Multi-tenant production system built on 100+ MCP tools, agents-as-employees patterns with their own inboxes and supervised autonomy, and model-agnostic AI tooling across Mastra and Vercel AI Gateway. An open MCP server with OAuth lets customers run their fleet from any AI client (Claude Desktop, ChatGPT, Cursor) using their own credentials with a full audit trail.

Backend Architect

Farmlokal : Organic-products e-commerce

03/2023 - Present

Live site: <https://farmlokal.com>

Architect & Builder

GrocersPod : Online retail platform

03/2020 - Present

References available on request.

❖ Projects

Imperial Brands - Multi-tenant Commerce Platform (04/2025 - 04/2026)

Technologies stack: Next.js, React, Zustand, Express/BFF, Vercel AI Gateway, Anthropic, OpenAI, Salesforce, K8, Docker, Github, Contentful.

Solution architect on a greenfield, multi-tenant, multi-language CMS-driven commerce platform for Imperial Brands. Designed the architecture using a MERN stack with Salesforce as the data layer and a headless CMS, supporting tenant isolation, localization, and shared platform services across markets. Drove integration of AI-assisted workflows via Vercel AI Gateway, Anthropic, OpenAI, and led decisions on observability, security, and CI/CD, k8/helm and azure. Partnered with business, UX, and delivery leadership to align platform decisions with multi-market commerce goals.

New Member Console (06/2019 - 11/2024)

Technologies stack: React, Redux, Rest APIs, Tyk gateway, Git, Jenkins, Docker, Splunk, Oracle/SQL.

Greenfield back-office console used by credit-union staff to manage member onboarding end-to-end - application review, document requests, license-scan data capture, risk analysis, task management, and over-the-counter account opening. Designed and led the build from inception. Sister application to New Member Online; together they replaced the manual onboarding workflow.

New Member Online (01/2019 - 11/2024)

Technologies stack: React, Redux, Rest APIs, Tyk gateway, Git, Jenkins, Docker, Splunk, Oracle/SQL.

Greenfield member-acquisition platform for credit unions covering account opening, loan applications, identity verification, fraud checks, payment gateway integration, and SSO into online banking. Owned design and architecture from inception. Saved an estimated \$1M in onboarding cost for the launch credit union.

RBFCU Online Banking (02/2015 - 11/2024)

Technologies stack: React, Redux, REST APIs (Java Spring Boot), Tyk gateway, Git, Jenkins, Docker, Splunk, Ansible, Cordova/Ionic, Oracle/SQL.

Architected and shipped the online banking experience for Randolph-Brooks Federal Credit Union - one of the largest credit unions in Texas - covering account management, funds transfers, bill payments, and transaction tracking on web and native (Cordova/Ionic). The system still runs in production today.

Account Processing Platform Extensions (01/2014 - 11/2024)

Technologies stack: Angular + NgRX, React, Redux, REST APIs, Git, Jenkins, Oracle/SQL.

Designed and built multiple custom modules extending Fiserv's core account processing platform - eAlerts (account, credit-card, and transaction notifications with full enrollment management), a secure messaging system between credit-union staff and members, a rates management module for streamlined approval and administration, and account wizard customizations across multiple credit unions.

E-Commerce Applications (01/2020 - Present)

Technologies stack: React + NextJS, Node.js (REST APIs), Firebase, Vercel, MySQL.

Designed, led, and built several e-commerce applications through freelancing and volunteer work. These applications encompass multiple modules catering to consumers, riders, and administrative panels - leveraging React Native and the React ecosystem with Node.js, Firebase as backend, and Vercel as hosting and serverless platform.

USAePay - Payment Gateway Integration (02/2020 - 06/2020)

Technologies stack: React, Web API, Tyk gateway, Git, Jenkins.

Implemented a standalone web component to integrate the USAePay payment gateway into the online banking and new-member solutions.

Earlier Experience at Fiserv (2006 - 2014)

Technologies stack: C#, .NET, WPF, ASP.NET, AngularJS, Web API, Tyk gateway, Jenkins, MKS, TFS.

Earlier in my Fiserv tenure I shipped a series of credit-union and travel-industry systems that ran in production at scale. Brief notes below:

- Mortgage LOS - Core Integration (2013-2014): customized Encompass Mortgage LOS to integrate with the DNA core, enabling end-to-end loan origination without leaving the platform.
- Teller Next Generation (2012-2014): re-platformed core credit-union teller system on modern .NET with a flexible, maintainable design.
- Back Office Manager - Commercial DDA / Account Analysis (2011-2012): built commercial accounts and cash-management services on top of the existing DataSafe system.
- Master Person 4 (2009-2011): architectural overhaul of the CU Core application, re-modeling account flow as person-centric.
- Cash Dispenser / Recycler (2008-2009): teller-facing UI plus admin application for setup, configuration, and reporting on Cash/Coin Devices.
- Virtuoso - Online Banking (2007-2008): online banking application with standard and advanced account-management features.
- FQSuiteCase (2006-2007): three-module travel solution (BackOffice, Online, Sub-Agent) covering booking, itinerary management, and reporting for travel companies.

❖ **Outside Work**

◆ Reads non-fiction. Hikes when the weather allows. Plays badminton regularly. Builds small educational tools for his kids on weekends.