

ARADHANA DUBEY

Senior Full-Stack Software Engineer | React | TypeScript | Python | FastAPI | AI Engineering

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SUMMARY

Senior Full-Stack Software Engineer with **8+ years of experience** building enterprise-grade applications, developer platforms, and intelligent engineering workflows. Deep expertise in **React, TypeScript, JavaScript, frontend architecture, design systems, and web performance**, complemented by backend expertise in **Python and FastAPI**. At Adobe, architected and delivered enterprise-scale initiatives including **full-stack EU DSA compliance, multi-contract administration, React Spectrum modernization, reusable platform components, and AI-powered developer workflows**. Experienced in applying modern AI coding and agentic tools to automate engineering workflows, code review, migrations, and productivity.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, JavaScript ES6+, HTML5, CSS3/SCSS, TanStack Query, Zustand, Redux/RTK, React Spectrum

Backend: Python, FastAPI, REST APIs, SQL, PostgreSQL

AI Engineering & Tooling: AI Agents, Agentic Workflows, AI Skills, Prompt Engineering, Workflow Automation, Claude, Cursor, Augment Code, GitHub Copilot, OpenAI Codex

Architecture & Engineering: System Design, Frontend Architecture, Design Systems, Web Performance, Browser Internals, Accessibility, API Design, Distributed Systems Fundamentals

Testing & Delivery: Jest, React Testing Library, Cypress, E2E Testing, Git, CI/CD, Docker, Code Reviews

PROFESSIONAL EXPERIENCE

Adobe | Senior Software Engineer | Jul 2023 - Sep 2026

Full-Stack & Enterprise Architecture

- **Architected and led Adobe Admin Console's EU Digital Services Act (DSA) compliance solution**, owning **full-stack delivery in a vertical execution model** across UI, backend services, API integrations, cross-system integration, and E2E validation; shipped the end-to-end solution within a **17-day deadline**.
- **Architected multi-contract administration capabilities**, enabling large enterprise customers with multiple contracts to manage products and entitlements through a unified administration experience.
- Led delivery of **third-party GenAI governance controls**, enabling enterprise administrators to centrally control access to third-party generative AI capabilities; the initiative received recognition at **Adobe MAX London 2025**.
- Drove the **Sophia-to-AJO migration** for personalization workflows, coordinating across application and platform boundaries to move experiences onto newer journey-orchestration infrastructure.

AI Engineering & Developer Productivity

- Built **Lord of the Pings**, an AI-powered work intelligence assistant aggregating signals from **Slack, Jira, Git, and Outlook** to identify pending actions, categorize urgent and aging items, surface replies requiring attention, and capture contextual notes.
- Created reusable **S2 Migration Skills** that encoded migration patterns and engineering knowledge into repeatable AI-assisted workflows, automating repetitive tab-migration work and reducing manual engineering effort.
- Developed **S2 PR Review and Branch Review capabilities**, applying AI-assisted analysis to code changes to accelerate reviews and surface potential concerns earlier in the development lifecycle.
- Created AI-assisted **React Spectrum migration skills** to automate repetitive upgrade patterns during large-scale frontend modernization.

Frontend Architecture & Platform Engineering

- **Architected Adobe Admin Console's migration to the latest React Spectrum generation**, defining the migration strategy and independently driving the application modernization end-to-end.
- **Architected reusable card/component foundations adopted by multiple Adobe teams**, creating extensible UI abstractions that standardized interaction patterns and reduced duplicated implementation effort.
- Built a **reusable application header adopted across Adobe product surfaces**, meeting accessibility requirements and achieving **100% unit-test coverage**.
- Led architecture decisions, code reviews, production debugging, and mentoring to improve maintainability and engineering quality across delivery.

Zeta Suite | Software Developer | Jul 2021 - Nov 2022

- Built scalable fintech applications and reusable product experiences using **React, TypeScript, and API-driven architectures** for transaction-heavy financial workflows.
- Designed reusable frontend foundations supporting multiple fintech product experiences and improving consistency and engineering velocity.
- Built a customer-facing dashboard for **Money20/20 within 24 hours**, delivering a production-ready experience under a highly compressed timeline.
- Worked across frontend and platform boundaries, including development of a **Kubernetes custom controller**, gaining hands-on exposure to platform engineering and distributed application infrastructure.

NiYO Solutions | Frontend Developer | Dec 2018 - Jun 2021

- Independently developed **React-based banking and operations applications** supporting real-time transaction tracking, account management, recharge, and bill-payment workflows.
- Integrated frontend applications with backend APIs supporting financial operations and customer-facing workflows.

- Built Progressive Web App capabilities to improve application availability and user experience across devices.
- Built a **full-stack hiring portal during NiYOTthon**, working across application layers; the project won the internal hackathon.

Pricify Web Technologies Ltd. | Frontend Developer | Apr 2018 - Dec 2018

- Developed responsive e-commerce experiences using modern JavaScript, component-driven UI patterns, and API integrations.
- Built reusable interfaces and interactive product workflows with emphasis on usability, maintainability, and responsive behavior.

EDUCATION

Master of Computer Applications (MCA) | Madan Mohan Malaviya University of Technology | 2014 - 2017

B.Sc. Computer Science | DDU Gorakhpur University | 2011 - 2014

CERTIFICATION

AI For Everyone - DeepLearning.AI | Issued Nov 2025