

Harshal Malkan Frontend Engineer

✉ hmalkan759@gmail.com ☎ +91 7767812988 📍 Mumbai 🔗 [LinkedIn](#) 🔗 [Portfolio](#) 🐙 [GitHub](#)

SKILLS

Languages: JavaScript, TypeScript, HTML5, CSS3, SCSS

Frameworks: React, Next.js, Node.js, Express.js

State & Data: Zustand, Redux / Redux Toolkit, GraphQL, REST APIs, PostgreSQL

Platforms: Adobe Experience Manager (AEM), Adobe Edge Delivery Services (EDS/AEM Franklin), Universal Editor

Tools: Tailwind CSS, Git, Postman, Figma, Lighthouse

PROFESSIONAL SUMMARY

Frontend engineer with **4+ years** building enterprise web platforms on Adobe Experience Manager and Edge Delivery Services for HDFC, Aditya Birla Group, Teachers Mutual Bank and Adobe. Flagship HDFC and Birla Opus builds are documented in **two Adobe-published case studies**. Delivers measurable performance results (**75%+ gain** on HDFC, **90-95 mobile Lighthouse** on Teachers Mutual Bank, **95+ on Adobe DSN** sites), builds reusable component and design-token systems, and applies AI-assisted development in production, including a **Figma-to-AEM pipeline** on Figma MCP. Hands-on React, Next.js and TypeScript depth through two full-stack personal projects (storefront and admin dashboard, with Stripe, Prisma and PostgreSQL), alongside enterprise AEM and Edge Delivery Services delivery.

PROFESSIONAL EXPERIENCE

Software Developer, DEPT Agency (formerly Tekno Point) 10/2025 – Present | Mumbai, India

- Own frontend delivery on **Adobe XSC**, DEPT's ongoing engagement with Adobe's Bangalore team (see Projects).
- Own **performance-critical frontend modules** on AEM Franklin / Edge Delivery Services, contributing to architecture, scalability and performance decisions.
- Established a reusable component library and utility toolkit that cut per-feature scaffolding time for junior developers by an estimated 30%.
- Pioneered **AI-assisted delivery** through a Figma-to-AEM pipeline on Figma MCP, and now apply agent-guided development on Adobe work.
- Led **multi-step transactional flows** integrated with REST and GraphQL APIs, owning edge cases and API contracts with backend teams.
- Frontend point-of-contact for client walkthroughs and scoping; mentor junior developers through code reviews and architectural guidance.

Junior Developer, DEPT Agency (formerly Tekno Point) 07/2022 – 10/2025 | Mumbai, India

- Owned frontend delivery on HDFC Ltd.'s housing finance website, from the Drupal-to-AEM migration to the post-merger HDFC Bank rebrand. **Adobe case study** 🔗
- Built the **complete e-commerce frontend** for **Birla Opus Paints'** national launch, one of **Aditya Birla Group's** largest consumer-tech rollouts. **Adobe case study** 🔗
- Developed JavaScript-driven financial calculators and responsive UI modules used across multiple banking and consumer pages.

PROJECTS

Adobe XSC, Adobe Collaboration · AEM Edge Delivery Services

- **DSN demo sites:** Migrated 5 sites to Edge Delivery Services in **under 3 weeks** and retrofitted mobile responsiveness onto 6 existing ones, completing an **11-site industry portfolio** with **95+ Lighthouse on desktop and mobile** and AEM-based authoring.

- **JCR-to-native-app servlet (in progress):** Architected a servlet that exports Universal Editor-authored content as **structured JSON** and maps it to a mobile app's native components through an extensible JSON mapping layer, built with **agent-guided, AI-assisted development** alongside a senior full-stack developer; 5 sites integrated and in testing.

HDFC Ltd. / HDFC Home Loans ,

CMS Migration, Revamp & Performance Optimisation · Adobe Experience Manager

- **Drupal-to-AEM Migration:** Rebuilt marketing and transactional pages with **full feature parity** in **under 3 months** and **zero disruption to live traffic**. Delivered **75%+ performance improvement**, **+11% SEO**, **+10% organic CTR** and **+17% mobile traffic**; a headless AEM architecture cut content update time from **6 hours to under 30 minutes (12× faster)**.
- **Post-Merger Rebrand:** After HDFC Ltd. merged into HDFC Bank, led the site rebrand: full theme overhaul, content updates, design revamps and new modules.

Birla Opus Paints (Aditya Birla Group) , *Consumer Website & E-Commerce · AEM · Adobe Commerce · GraphQL*

- Delivered **1,000+ web pages in 5 months** for a national launch, building the full commerce journey (PLP, PDP, cart, checkout, wishlist) across **1,000 SKUs and 2,400 colour variants**.
- Built an **authorable, reusable multi-step lead qualification form** that plugs into any lead form on the site (site details, project type, survey scheduling), with placement-based journeys including **dealer and contractor selection** and **Birla Opus Assurance registration**.
- Authored GraphQL-backed utilities adopted into an **internal shared library**.

Teachers Mutual Bank, *Consumer Website · Adobe Edge Delivery Services / AEM Franklin*

- Sustained **90-95 mobile Lighthouse scores** across key pages within AEM EDS block-based architecture, resolving component-level performance regressions.
- Delivered a **multi-brand theming system** serving several brands from a single codebase.
- Built a **Figma-to-SCSS design token automation script** (Node.js) that generated typed SCSS variables from Figma exports, removing manual token translation.

PwC RAG AI, *DEPT POC · AEM · React.js · Figma MCP · AI-Driven Component Generation*

- Built an **AEM React.js landing page POC** as the initial engagement deliverable.
- Designed and built a **Figma-to-AEM AI pipeline** using Figma's MCP server and VS Code Copilot, generating full components and pages from designs with no manual scaffolding. Custom **agent and skill instruction files** guide it to produce production-ready AEM components with **CQ dialogs, Sling Models and SCSS**.

E-Commerce Dashboard , *Personal Project · Next.js · Express.js · Node.js · TypeScript · Prisma · PostgreSQL · Stripe*

- Full-stack admin dashboard with a decoupled Next.js frontend and custom Express.js + PostgreSQL backend (replacing Next.js API routes for cleaner separation of concerns), **custom JWT authentication** with role-based access control, product, order and customer management, and sales analytics.

E-Commerce Storefront , *Personal Project · Next.js · React · TypeScript · Tailwind · Stripe · Prisma · PostgreSQL*

- Full storefront with catalogue, filters, product pages, cart, checkout and order history, built with **Next.js App Router, TypeScript and Tailwind CSS**, with **Stripe payments** and **Prisma with PostgreSQL**.

EDUCATION

Bachelor of Science in Information Technology

07/2019 – 05/2022 | Mumbai, India

SVKM's Usha Pravin Gandhi College of Arts, Science and Commerce

CGPA - 9.73 out of 10.0

CERTIFICATIONS

React JS - The Complete Guide by Maximilian Schwarzmüller , *Udemy*

Complete Javascript Course by Jonas Schmedtmann , *Udemy*