

Manoj Mehta

AI Engineer | Senior Front-End Architect | GenAI Platform Builder

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Professional Summary

Senior Front-End Architect and AI Engineer with ~20 years of experience designing and delivering enterprise-scale digital platforms across telecom, finance, and retail. Expert in React, TypeScript, micro-frontend architectures, and cloud-native systems. Experienced integrating Generative AI tools and LLM-powered workflows to improve developer productivity and accelerate feature delivery. Proven ability to modernize legacy platforms, improve performance, and lead architecture for mission-critical applications used by millions of users.

Selected Achievements

Architected micro-frontend platform using Module Federation enabling 6+ teams to deploy independently and reducing release coordination time by ~35%.

Improved Verizon digital commerce platform performance by reducing page load time ~20% through bundle optimization and rendering improvements.

Built reusable UI component libraries adopted across multiple enterprise applications reducing development time ~25%.

Implemented CI/CD pipelines improving deployment efficiency and release velocity by ~30%.

Introduced AI-assisted development workflows (GitHub Copilot + LLM tools) improving engineering productivity ~15-20%.

Professional Experience

Publicis Sapient — Front-End Technical Architect / Engineering Manager (Aug 2011 – Present)

Architect and deliver enterprise-scale front-end systems using React, TypeScript, and micro-frontend architectures.

Lead architecture and hands-on development across multiple client engagements in telecom, finance, and retail sectors.

Design reusable UI frameworks and shared component libraries improving engineering productivity across teams.

Implement CI/CD pipelines and modern DevOps practices enabling reliable and automated releases.

Debug complex production issues and optimize performance for high-traffic enterprise applications.

Selected Projects

GMR / AMCN — AI-Enabled Digital Platform

Built enterprise CMS-driven digital platform using ASP.NET MVC, Kentico CMS, and Tailwind CSS.

Developed reusable UI components and page templates enabling rapid content publishing.

Leveraged AI-assisted development tools to accelerate feature development.

Verizon — Digital Commerce Platform Modernization

Led modernization of Verizon digital sales platform into micro-frontend architecture.

Developed product configurator and checkout flows using React, Next.js, and TypeScript.

Improved application performance and reduced load times by ~20%.

Capital Group — Investment Analytics Platform

Designed and built UI platforms (M.E.L.T and Exposure UI) for portfolio analytics and risk analysis.

Developed high-performance visualization interfaces supporting complex financial datasets.

Albertsons — Retail Digital Platform

Architected micro-frontend retail platform integrated with GraphQL BFF services.

Enabled scalable front-end deployments across distributed engineering teams.

Technical Skills

Frontend: React, Next.js, TypeScript, JavaScript (ESM), Redux, Micro-Frontends

AI Engineering: Generative AI workflows, GitHub Copilot, LLM integrations, OpenAI APIs

Cloud & DevOps: AWS, Azure, CI/CD pipelines

Testing: Jest, Cypress, Playwright, Cucumber

Education

MCA — Computer Applications — IGNOU

B.Sc. Mathematics & Economics — Kurukshetra University

Certifications

AWS Certified Developer – Associate

Microsoft Azure Fundamentals (AZ-900)

Microsoft Azure AI Engineer Associate (AI-102)

AWS Machine Learning – Specialty

DeepLearning.AI Generative AI Specialization