

# AKSHAT GUPTA

Senior Frontend Engineer | React | TypeScript | Frontend Architecture | Design Systems | Python  
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## PROFESSIONAL SUMMARY

Senior frontend engineer with 6+ years building large-scale, data-intensive web applications, currently leading frontend architecture for Majid Al Futtaim (Carrefour)'s retail analytics platform - five production apps used by category teams across four countries. Specialize in React and TypeScript at scale: published design-system component libraries, 100k+ row AG Grid workspaces, TanStack Query data layers, and a zero-downtime auth modernization rolled out across the fleet. Back that with production Python, Flask, PostgreSQL and Databricks work, so I own a feature end to end - from the SQL query to the rendered pixel - and raise team velocity through shared libraries, written conventions and automated CI/CD.

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript (ES6+), Python, SQL, HTML5, CSS3  
**Frontend:** React 19, Next.js, Vite, AG Grid, TanStack (React) Query, Chart.js, Tailwind CSS, Headless UI, MUI, Storybook, React Native  
**Frontend Engineering:** Design systems & component libraries, npm package authoring (ESM, subpath exports, generated types), state management, SSR/CSR, code splitting & lazy loading, rendering & bundle performance, Core Web Vitals / Lighthouse, web accessibility (a11y), Jest  
**Backend:** Flask, SQLAlchemy, REST APIs, JWT authentication (Flask-JWT-Extended), OAuth / Azure AD (MSAL), Server-Sent Events, WebSockets, Redis  
**Data:** PostgreSQL (JSONB, dynamic schemas), Databricks, pandas, data aggregation & pipelines, CSV ingestion  
**DevOps & Infra:** Docker, CI/CD (Azure Pipelines, Azure DevOps, Jenkins), Nginx, Git, Linux, Azure Blob Storage  
**AI-Assisted Development:** GitHub Copilot (authored custom skills & agents for the team), Claude Code, AI-assisted code review and workflow integration  
**Practices:** Frontend architecture, system design, performance optimization, code review, mentoring, Agile SDLC

## EXPERIENCE

### Manager, App Development (Hands-on Technical Lead / Senior Frontend Engineer)

Majid Al Futtaim (Carrefour) - RACE, Retail Analytics CoE | Gurgaon, India | Apr 2024 - Present

- Lead frontend architecture and end-to-end delivery of a five-module retail assortment platform (SKU rationalization, store-level localization, category view, whitespace gap analysis, and portal) used by category teams across UAE, Egypt, Qatar and Georgia, replacing spreadsheet-driven reviews with self-serve tools that quantify revenue impact before every delist and ranging decision.
- Designed and published **@maf/race-ui**, a versioned React + TypeScript design system (17+ Headless UI components, hooks, AG Grid theme, Tailwind v4 tokens) shipped as an ESM package with subpath exports, generated types, peer-dependency isolation and Storybook + a11y coverage; adopted by all five frontends, cutting new-feature UI build time **~40%** and reducing a fleet-wide design change to one version bump.
- Engineered data-dense AG Grid workspaces with server-side pagination, filtering, sorting and row virtualization, keeping **100k+ row** SKU grids interactive at sub-second response, with inline overrides written straight back into the recommendation and adoption-tracking pipeline.
- Established the frontend architecture used across the portfolio - feature-sliced modules, a typed service layer with per-endpoint request/response contracts, server state in TanStack Query and client state in React Context (no Redux) eliminating duplicated fetch logic and stale-cache defects, documented as written conventions the team codes against.
- Led a zero-downtime migration of five live React apps from localStorage bearer tokens to httpOnly cookie sessions, shipping the client half as a shared auth module (credentialed Axios client, CSRF injection on mutating requests, 401 to silent-refresh to replay interceptor with recursion guards), deleting per-app auth code and giving users one SSO session across the suite.
- Built interactive analytics and diagnostics dashboards (Chart.js visualizations, cross-filtering, user-selectable refresh timelines, long-running job progress via polling/SSE), turning a data-engineering pipeline into a self-service feature and removing the data team from every review cycle.
- Built the Flask + SQLAlchemy APIs powering these UIs over a hybrid PostgreSQL schema (typed columns for the fields grids filter on, plus a JSONB tail for variable columns) with Databricks as source of truth and Postgres as serving layer, so new countries and upstream schema changes onboard with zero backend code changes; dashboard refresh latency dropped **~60%**.
- Own architecture decisions, code review, performance profiling and production debugging (Docker, Nginx, DNS/VPN routing) across 4+ concurrent apps; standardized CI/CD on Azure Pipelines to cut release cycles from hours to minutes, and mentor a junior developer to independent feature delivery.

### Software Engineer 3

Cashify - Recommerce marketplace for used electronics | Gurgaon, India | Jun 2021 - Apr 2024

- Migrated the web application from React to Next.js using server-side rendering best practices, improving performance and SEO metrics across the platform.
- Optimized page performance to an **85+** Google PageSpeed Insights score by applying rendering, asset, and loading best practices.
- Drove technical SEO and keyword research that helped the site cross **10M+** organic sessions within six months.
- Built a bot-builder platform from scratch enabling non-technical teams to create chatbot flows, driving **80%+** automated support-ticket closures within the first month of launch; integrated RESTful APIs and shipped mobile and desktop features within an Agile SDLC.

### Member of Technical Staff II

Nineleaps Technology Solutions | Bangalore, India | Jan 2020 - Jun 2021

- Developed React front-end features applying component lifecycle best practices to improve maintainability and performance.
- Achieved **100%** unit-test coverage with Jest, strengthening release confidence and reducing regressions.

## PROJECTS

**BudgetIQ** - [budgetiq.in](https://budgetiq.in) | Personal finance web app (React, TypeScript, Vite, Flask, PostgreSQL) - envelope-budgeting tool designed, built and shipped solo, including Dockerized deployment, DNS/CDN setup and CI.

## EDUCATION

B.Tech, Computer Science & Engineering - DIT University, Dehradun | 2016 - 2020

## ACHIEVEMENTS

- Promoted from Associate Manager to Manager, App Development within **~1 year** for end-to-end ownership of the analytics portfolio.
- Superstar of the Month, Cashify (Mar 2022) for building the chatbot and bot-builder platform.