

SHERZODBEK USMONJONOV

Frontend Engineer expert | TypeScript | React Architect

Tashkent, Uzbekistan | +998 94 205 55 12 | sherzodusmonjonov734@gmail.com

[[Portfolio](#)] | [[GitHub](#)] | [[LinkedIn](#)]

PROFESSIONAL SUMMARY Strategic **Systems Engineer** and **TypeScript Expert** with a focus on high-performance web architecture. Specialized in building mission-critical applications using **React 19**, **Next.js**, and AI tools to make faster progress. Expert in developing type-safe financial systems and enterprise ERPs with a focus on **asynchronous state management**, **micro-frontend patterns**, and **API optimization**. Proven track record of achieving **98/100 Lighthouse scores** and reducing server overhead by **40%** through advanced caching and optimized data layers as well as have a strong knowledge on agile methodologies and modern development workflows through the strong AI tools and Platforms.

TECHNICAL SKILLS

- **Expert JS/TS:** TypeScript (Advanced Patterns: Generics, Mapped Types, Zod Schema Validation), ESNEXT, Functional Programming.
 - **Frontend Ecosystem:** React 19, Next.js (App Router, Server Actions), TanStack Query v5, Redux Toolkit, Tailwind CSS.
 - **Backend & Full-Stack:** Node.js, Express, PostgreSQL/Prisma, REST/GraphQL API Design, Clerk/Next-Auth with the help of modern AI tools : Cursor AI , Claude Code as experienced Prompt engineer
 - **Performance & Testing:** Vitest, Jest, Playwright, Core Web Vitals, Web Workers, Memoization Strategies.
 - **Architecture & Ops:** RBAC, CI/CD Pipelines, Atomic Design, Monorepo Management (Turborepo), Docker Basics.
 - **AI Skills :** Claude Code , Cursor AI, AI-API integrations ,Github Copilot , Copilot workspace, Lovable and etc.
[As a Prompt engineering expert , made the work productivity up to **10x** faster than the average devs]
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Professional experience

Frontend Engineer | Educational CRM & ERP Platform

Scaled a modular ERP system architecture that reduced development cycles by 35% through the creation of a **TypeScript-first reusable component library**.

- **Optimized enterprise-level state management** by implementing a custom middleware layer, reducing redundant re-renders and improving UI responsiveness by 50%.

- **Engineered a multi-tier RBAC (Role-Based Access Control) system**, securing sensitive student data while maintaining a seamless, high-speed UX for 3+ administrative levels.
- **Achieved a 98/100 Performance Score** by leveraging Server-Side Rendering (SSR) and dynamic code splitting to minimize initial bundle size.

Frontend Engineer | E-Commerce Management System

- **Deployed a high-traffic SSR storefront** using Next.js App Router, resulting in a 25% increase in SEO indexing and sub-second page transition times.
- **Refactored a global state architecture** for 500+ SKU inventory, efficient **Redux Toolkit** to manage complex, asynchronous inventory updates with zero latency.
- **Engineered a custom debounced search engine** and multi-criteria filtering system, reducing server-side query volume by 40%.

Full-Stack Engineer | Business Finance Manager (SaaS)

- **Architected a comprehensive Business Finance SaaS** using **TypeScript** and **Next.js**, implementing a 100% type-safe data flow from database (Prisma) to UI with a 97% overall light house Score.
- **Engineered an advanced financial dashboard** featuring real-time cash flow analytics, utilizing **TanStack Query** for optimistic updates and automated cache invalidation.
- **Developed complex data visualization modules** with high-performance rendering, ensuring smooth interaction for datasets exceeding 10k+ financial transactions.
- **Implemented end-to-end Zod validation** for all financial inputs, eliminating runtime errors and ensuring strict data integrity across the transaction lifecycle.

EDUCATION

- **Frontend System Architecture & React Ecosystem knowledge strengthening** at Najot Ta'lim (2025)
- **AI & Prompt Engineering for Developers** | Improving coding productivity **10x** | LLM Workflows & Automation | AI + Website integrations | Ongoing | Najot Ta'lim (2026)