

Devesh Sangwan

Gurugram, India

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PROFESSIONAL SUMMARY

Award-winning Software Engineer with 4+ years of experience designing scalable systems across backend and frontend. Architected a unified lending platform using **Strategy**, **Builder**, and **Factory** patterns, enabling modular partner flows and boosting performance by **75%+**. Modernized the frontend stack to **TypeScript** with **TanStack Query**, **Zustand**, and **Webpack** optimization, achieving an **83%** improvement in page performance.

EXPERIENCE

Paisabazaar (PB Fintech)

Gurugram, India

Software Engineer

Jan 2022 - Present

- Architected a **unified digital lending platform** serving **10+ partners** using **Strategy** and **Builder** patterns; enabled plug-and-play partner onboarding and flow switching via configuration, improving reusability and boosting cross-sell by **35%**.
- Led frontend migration from legacy React/JavaScript to a **TypeScript** stack with **TanStack Query**, **Zustand**, and **React Hook Form + Zod**; removed custom API boilerplate and brittle **localStorage** state.
- Optimized loan processing core (**BRE**) using the **Factory pattern**, cutting execution latency by **75% (8s to 2s)**.
- Enhanced landing page performance: reduced bundle size **10 MB to 2 MB**, improved Lighthouse score **30 to 55 (+83%)**, FCP **1.7 s to 0.8 s (53% faster)** via **Webpack** optimization and **lazy loading**.
- Designed a **journey-state platform** (**TypeScript**, **Node EventEmitter**, **Kysely/MySQL**, **Redis**) powering event-driven customer summaries, CRM sync, and notification triggers.
- Implemented **Redis caching**, lowering SQL load by **45%** and API latency by **30%**; led **Node.js v18** migration of **4 microservices** with **zero downtime**.
- Initiated **TDD** adoption for critical services raising coverage from **0 to 80%**, and mentored **3 engineers**.

PROJECTS

Investment Sync: Cross-platform Portfolio Tracker

Next.js, Expo, tRPC, Drizzle, Supabase

- Built a **pnpm/Turborepo** monorepo for Indian and US investments using **Next.js**, **Expo**, **tRPC**, **Clerk** auth, and **React Query**.
- Created upload-first importers for **Tickertape**, **Vested/DriveWealth**, and spreadsheets; normalized holdings into **Supabase Postgres** via **Drizzle**, retained source files privately, and added allocation/**XIRR** analytics.

Cricket Score Monorepo: Real-time Match System

Next.js, Express, tRPC, Prisma, MongoDB

- Built a real-time cricket score product with shared **TypeScript** types, a **Next.js** frontend, and an **Express/tRPC** backend; delivered live match updates through **SSE** subscriptions.
- Scraped live data with **Cheerio**, persisted match data through **Prisma + MongoDB**, secured routes with **Clerk**, containerized with **Docker**, and tracked Codecov coverage (**90.1% functions, 93.82% lines**).

Shipped Developer Tools

TypeScript, Chrome Extension, npm

- QuickClip URL**: shipped Chrome extension for copying current-tab URLs, including restricted pages, with **300+ weekly users**; also built privacy-first npm tools **portfolio-presence** and **prompt-crimes**.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C, C++, Java

Frameworks & Libraries: Node.js, Express.js, React, Next.js, TanStack Query, Zustand, React Hook Form, Zod, Prisma, Drizzle

Databases & Caching: MySQL, Cassandra, Redis, PostgreSQL, Supabase, MongoDB

DevOps & Testing: Docker, GitHub Actions, Vercel, Render, pnpm, Turborepo, Codecov, Vitest, Jest, Mocha, Chai

Architectures & Methodologies: Microservices, REST, tRPC, SSE, Monorepos, Event-Driven Architecture, TDD, Design Patterns

ACHIEVEMENTS

Paisabazaar Stellar Award - Supernova Category

2025

- Awarded for exceptional engineering performance, leadership, and high-impact contributions to the core lending platform.

Smart India Hackathon Winner

2020

- Won national hackathon by building an ML/IoT energy optimization system with **15% energy reduction**.

EDUCATION

Netaji Subhas University of Technology

New Delhi, India

Bachelor of Engineering - Computer Engineering; CGPA: 8.5/10

2018 - 2022