Chetan Jain

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WORK EXPERIENCE

SPINNY | SOFTWARE DEVELOPMENT ENGINEER 2   Gurgaon, IN | April 2023 – Present

- **Optimized build process**, resulting in a dramatic reduction in build time **from 30 minutes to approximately 6 minutes**. This was achieved through streamlining CI pipeline, implementation of faster rust based tooling like moving from **babel** to **SWC** and **webpack** to **rspack**, and file-based caching strategies for bundler.
- **Reduced bundle size** by **44 percent**, decreasing it from **320kb** to **180kb**. Optimization techniques included strategic code splitting, better tree shaking, and targeted updates to polyfills to eliminate dead browser support.
- Significantly improved **Core Web Vitals** metrics. Enhanced Interaction to Next Paint **(INP)** from **750ms (very poor)** to **400ms (intermediate)** and reduced Cumulative Layout Shift **(CLS)** from **0.45 (very poor) to 0.01 (very good)**, and reducing Blocking time**(TBT)** and client side memory usage.
- Revamped Homepage, Neutral page, and several other Components along with fixing various production bugs

UNOLO | FRONT END DEVELOPER   Gurgaon, IN | Feb 2022 - March 2023

- Migrated and rewrote complete websites from EJS Templates + Client side Vanilla and **React** to **NextJS** with Server Side Rendering which reduces **FCP from 6-8s to 2-3s**.
- Implemented **SSR** in popular pages for faster rendering and Split bundles by page on server reducing main bundle from **1.9 mb to 800kb**.
- Integrated safe and **secure** authentication using **cookies**.

BLOGS

- Express vs Fastify: A performance Comparison:
  https://jain-chetan.medium.com/express-vs-fastify-a-performace-comparison-1b0930869530
- Webpack Performance Tuning: Minimizing Build Times for Large Projects: https://dev.to/jainchetan81/webpack-performance-tuning-minimizing-build-times-for-large-projects-lmg-temp-slug-4604288?preview=66b8a7cba43fa438852b3a6136eb9b1f7d0cdbe41c350477d079d46e4049f2a301c42055173d0f

EDUCATION

BTech + MTech. Dual degree   Sec-62, Noida | Feb 2021
JAYPEE INSTITUTE OF INFORMATION & TECHNOLOGY

PROJECTS

DYNAMIC FORM ⬈   NEXTJS, TYPESCRIPT, TRPC, PRISMA, MYSQL

- A clone of Google Forms where users can create interactive forms with multiple question types and answers
- Heavily leaning on complete type safety from Front to Back **https://github.com/jainChetan81/examples**

PORTFOLIO ⬈   NEXTJS, TYPESCRIPT, TAILWIND
Personal portfolio highlighting various projects and achievements

SKILLS

Languages: Javascript, TypeScript, CSS, SASS, HTML, SQL
Frontend Development: React.Js, Redux, NextJs, Remix, Core Web Vitals, Webpack, Rspack, Vite
Backend Development: Node, MongoDB, Express, Fastify, Prisma, SQL