

Pranay Tomer

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Experience

Droom Technology Pvt Ltd

Gurugram, Haryana

Associate Software Engineer

Aug 2025 – Present

- Diagnosed uncontrolled **cache growth** in a production **Next.js** application and implemented a selective revalidation strategy, capping cache usage at **5GB** and preventing unnecessary disk consumption caused by obsolete cached data.
- Engineered a secure rental listing search API using **Node.js** and **Elasticsearch**, **dynamically generating queries for 20+ filter** combinations through a single endpoint with query sanitization and input validation, improving maintainability and reliability.
- Eliminated inconsistencies arising from separate authentication APIs across **5+ Droom platforms** by designing and developing a **centralized authentication service in Laravel**, simplifying user access and reducing maintenance overhead.
- Fixed a session continuity issue where authenticated mobile users were logged out when navigating to **WebView-based authentication** screens by implementing a secure **token-based auto-login flow** using encrypted credentials.
- Reduced production search and cart errors caused by city-name inconsistencies by designing a **city synonym resolution system** that mapped regional aliases to canonical city records, supporting **30+ cities** with **dynamically configurable mappings**, improving search accuracy, listing discoverability, and user experience.

Software Engineer Intern

Aug 2024 – Jul 2025

- Migrated the Discovery Module from **Laravel** to **Next.js** and **Strapi**, introducing optimized APIs that improved response time and enhanced the user experience.
- Developed an end-to-end **OBV Widget** as a standalone, reusable solution with **secure authentication** and built APIs, enabling seamless integration across 4+ applications through a single script inclusion.
- Extended the **Strapi-Next.js** content delivery architecture by enhancing **GraphQL** content resolution with **mobile-specific slug support (/msite/*)**, enabling distinct mobile and web page experiences while maintaining existing CMS workflows.
- Enhanced page performance by optimizing **Core Web Vitals** with **Next.js** best practices, achieving Google's **“Good” threshold** and contributing to improved **SEO rankings**.

Education

Maharaja Surajmal Institute of Technology, Delhi

2021-2025

B.Tech in Computer Science and Engineering (CGPA: 8.8)

New Delhi, IN

Dayawati Modi Academy

2020-2021

Class 12th (Percentage: 92)

Meerut, IN

Projects

Next.js Cache Inspector ↗

Node.js, Next.js, Commander.js, Chalk, CLI-Table3, Webpack

- Built and published an **npm tool** for monitoring **Next.js ISR** cache freshness and revalidation behavior, automatically identifying and removing stale cache files to reduce disk usage and simplify cache debugging.
- Implemented automatic tracking of **revalidatePath** and **revalidateTag** events using Webpack, enabling real-time cache visibility without code changes.
- Architected a **4-layer pipeline** (Reader → Analyzer → Renderer → Middleware) that processes Next.js build artifacts and prerender manifests to classify **Static, ISR, and Dynamic routes** while providing cache freshness insights through a single command.

E-Learning ↗

ReactJS, Tailwind, NodeJS, ExpressJS, MongoDB, Razorpay gateway

- Developed a full-stack E-Learning platform using **React**, **Node.js**, and **MongoDB**, integrating 3+ core modules including authentication, course management, and payment processing.
- Secure **user authentication** and **registration** systems to protect user data and ensure authorized access.
- **Course management** features with a responsive UI using **Tailwind CSS**, improving mobile usability by 40%.
- Integrated **Razorpay** for secure payment processing and **Cloudinary** for media storage and delivery, enabling seamless course purchases and content management.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, C++, C, Go (Golang), PHP

Technologies: React.js, Next.js (SSR/SSG), Redux, HTML5, CSS3, Tailwind CSS, Bootstrap, Material UI (MUI), Node.js, Express.js, Laravel, Strapi CMS, RESTful APIs, GraphQL

Databases & Search: Elasticsearch, MongoDB, MySQL, PostgreSQL

Tools & Platforms: Git, GitHub, Postman, npm, VS Code, Linux/Ubuntu