

Nitin Nautiyal

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Full Stack Engineer with expertise in **React.js**, **Next.js** and **Three.js** application development. Specialized in building **high-performance web applications** with **responsive user interfaces**, **cross-browser compatibility**, and **secure RESTful APIs**. Proven ability to **troubleshoot** complex issues and **maintain** stable systems while implementing **agile methodologies**. Collaborative team player who writes **clean code** with **attention to detail**, conducts thorough **debugging** and **performance testing**, and **communicates** technical solutions effectively. **Dedicated** to **efficient** problem-solving and **responsible** for delivering **reliable** applications through **consistent** development practices.

EDUCATION

Inderprastha Engineering College

July 2019 – July 2023

Bachelor of Technology B Tech in Computer Science

EXPERIENCE

Freelance

Jan 2024 – Present

- **Next.js 14 Dance Professional Website**
 - * Engineered **high-performance Dance Website** using **React.js** and **Next.js 14** with **SSG/SSR architecture**, achieving **95+ SEO score** and **0.5s LCP** through **performance optimization**
 - * Designed a **dual-theme UI**: "Paper Records" (minimalist, archival) for on-record services and "Neon Off-Records" (vibrant, dynamic) for live performances, enhancing user engagement by **40%**.
 - * **Tech**: Next.js 14 Frontend , FramerMotion, Tailwind.
- **Kabadi – Scrap Trading Platform**
 - * Built a full-stack marketplace for scrap dealers using **tRPC for end-to-end type safety**, reducing API bugs by **30%**.
 - * Designed a **green-themed UI** (Tailwind) to emphasize recycling, with Express.js/MongoDB for real-time inventory tracking.
 - * **Tech**: ReactJS , tRPC, Express.js, MongoDB. **Result**: 1.2s LCP, 0.7s INP, 100% mobile responsiveness.
- **Gee Symphony (Restaurant Site) (Under Development)**
 - * Building **high-speed restaurant platform** with **Redux** state management for complex cart functionality
 - * Implementing **user interactions** with **Framer Motion** animations for enhanced UX
 - * Ensuring **cross-browser compatibility** and **responsive design** across all devices
 - * **Tech Stack**: React.js, Redux, Tailwind CSS, Framer Motion
- **Adspyr – Digital Marketing Startup Site**
 - * Delivered a **lead-generation-optimized** site for a marketing agency, using React/Framer Motion for scroll-triggered animations that reduced bounce rates by **15%**.
 - * **Tech**: React.js, Tailwind, FramerMotion. **Result**: 10% increase in client inquiries post-launch.
- **Yimplyd – Local Business Presence Website**
 - * **Delivered a sleek, zero-bloat website in just 1 day** under a tight deadline, enabling the client to establish their **online business presence** immediately.
 - * Prioritized **critical content delivery** (contact info, services) with React.js and Tailwind, achieving a **0.01s TTFB** and 100% mobile responsiveness.

React JS Develope – Intern

August– October 2023

DJT Corporation & Investments Pvt. Ltd.

Noida, Uttar Pradesh,

- **DJT Finserve (HTML , CSS , JS, TailwindCss)** :Developed a dynamic and visually appealing finance website.
- Crafted an engaging contact form with Firebase, seamless **Data Management** through **CRUD Operations**. Elevated user experience with robust **Form Validation** and secure **Firebase Authentication**. The project offers a visually appealing and streamlined interaction for users.
- Made Customer **Dashboard** including **qr scanning** , **mqtt(socket)**, database with **MongoDB**, **API** and **Payment Gateway** with stripe

MAJOR PROJECTS

- **3D Interactive Resume with Dual Themes**
 - * Architected a **GPU-optimized resume** using React Three Fiber for 3D elements (GSAP/Framer Motion animations)
 - * Dual themes (soft/minimalist vs. immersive 3D) with **90+ Web Vitals** and SEO optimizations for recruiter visibility.
 - * **Tech:** React, Tailwind css, Framer Motion, Gsap , ReactThreeFiber
- **Pokemon Advanced Web App**
 - * Implemented **React Query for smart API caching**, reducing redundant calls by **70%** during pagination/search
 - * **Redux Toolkit** for complex state management of each and every pokemon details ,
 - * **Tech:** React, Tailwind CSS, Redux Toolkit , React Query
- **3D Animation Hobbies Portfolio**
 - * Created a interactive 3d portfolio representing my hobbies ,
 - * Used **Complex Animation Merging Logic** with 3js
 - * **Tech:** Js, ThreeJs, Blender, Mixamo Animation , Custom Animation
- **MERN Picture Gallery (SSR-Optimized)**
 - * Built full-stack image gallery with CRUD operations, profile picture selection, and SSR optimizations
 - * Secured backend with Helmet.js and CORS
 - * slow loading due to slow render(platform) service
 - * **Tech:** Node.js, Express.js, Express Middlewares, MongoDB , SSG
- **High Performance NodeJs API's**
 - * Scaled API throughput by **4x** using **cluster-worker load balancing**, Redis caching, and rate-limiting
 - * **Tech:** NodeJs, ExpressJs, ExpressMiddlewares
- **Real-Time Group Navigation System**
 - * Implemented Kafka **Pub/Sub for live location tracking**, reducing latency to <200ms for 1000+ concurrent users
 - * Utilized Redis for **caching**, Docker for **containerization**, and configured TLS/SSL with Nginx for **secure connections**
 - * **Tech:** NodeJS, ExpressJS, Express Middleware, Kafka, Redis , Nginx,
- **Understanding Microservices and Monolithic architecture with NestJS**
 - * Developed music platform using NestJS, implementing both monolithic and microservices architectures
 - * Integrated JWT authentication and role-based access control for artists/listeners

TECHNICAL SKILLS

Frontend Development: React.js, Next.js 14, Redux Toolkit, GraphQL, TypeScript, Webpack
Backend Development: Node.js, ExpressJs, NestJS, tRPC, RESTful APIs, WebSocket
Database Systems: MongoDB, PostgreSQL, Prisma ORM, NoSQL, SQL
Cloud & DevOps: Docker, Kubernetes, CI/CD Pipelines,
UI/UX Principles: Framer Motion, Three.js, Responsive Design, Figma
Development Methodologies: Agile, Scrum, System Architecture, Code Reviews

INTERESTS

- Technical Reading (Tech Blogs, Documentation)
- Creative Dance (Choreography, Performance)
- Listening Music (Classical Genres, 90's Music)
- Touch Typing (70+ WPM certified)
- Competitive Football (Captain, Team Strategy Development)