SARTHAK KUMAR

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PROFESSIONAL SUMMARY

MERN Stack Developer with 1 years of Industrial experience in building scalable web applications using **Next.js, NestJS, and MongoDB**. Skilled in **optimizing performance, implementing role-based authentication, and deploying on AWS (EC2, S3, ELB)**. Experienced in **server-side rendering (SSR) for SEO** and improving website speed by **50%**. Passionate about **code efficiency, API optimization, and delivering high-performance applications**.

TECH SKILLS

Programming:	JavaScript, TypeScript, C++, C, Python, Go
Frontend:	HTML, Bootstrap, Tailwind CSS, EJS, React.js, Next.js, Redux, RTK Query
Backend/ Databases:	Node.js, Express.js, NestJS, MongoDB, MySQL, JWT, RESTful APIs, Jin
Frameworks/UI:	Next.js, Material UI, Ant Design, Framer Motion, Recharts, Victory, GSAP
Development Other Tools:	Git, GitHub, Bitbucket, Postman, VS Code, CodeSandbox, RapidAPI
DevOps:	AWS (EC2, EBS, ELB, EFS, S3), Docker

WORK EXPERIENCE

Software developer |OriginBluy, Gurugram, Haryana   Mar 2025– Present
- Reducing the time of loading time of the Api by implementing MongoDB Aggregations.
- Implementing Language changing feature to the better reach and user interaction.

  Advanced Skills: Next.js, TypeScript, MongoDB aggregations, Tailwind CSS, AWS, Node.js

MERN stack developer| Centocode, Gurugram, Haryana   Mar 2024– Mar 2025
- Developed **3 full-stack web applications** using Next.js, focusing on reusable code and custom templates, improving **development efficiency by 30%**. Managed user notifications via Firebase push notification service, handling both **foreground and background** notifications for **1,000+ users**.
- Implemented custom **role-based authentication and authorization** in **NestJS**, utilizing guards and **JWT** for building protected routes. Deployed applications on **AWS EC2**.
- Optimized 8 files, reducing the codebase to 40 lines, improving performance by 35% and reducing **server response time by 20ms to 30ms**. Implemented **SSR (Server-Side Rendering)** to enhance **SEO rankings** and improve **website speed by 30%**.

  Advanced Skills: Next.js, Nest.js, TypeScript, Turboprops, MongoDB, Tailwind CSS, AWS, go lang, Node.js

Software trainee | Numetry technology, Remote   Dec 2023– April 2024
- Working on Frontend and Backend both where I learn write professional code and build good code structure which enhancing code readability. Create the Responsive and fast web application using react + vite.
- Reduce the loading time of the website by adding memorization and optimize API code to minimize the Api hit. Engaged in RTK queries and improve code efficiency and reusability.

  Advanced Skills: React, TypeScript, RTK queries, Tailwind.

INTERNSHIP EXPERIENCE

MERN Stack developer| NullClass, Remote   Jan 2023– Jul 2023
- Developed full web applications using **Next.js**, focusing on reusable code and custom templates. Managed user notifications via **Firebase** push notification service, handling both foreground and background notifications.
- Implemented custom **role-based authentication and authorization** in **NestJS**, utilizing guards and **JWT** for building protected routes. Deployed applications on **AWS EC2**, managing project versioning and creating images for effective load balancing.
- Optimized 8 files, reducing the codebase to 40 lines for better performance of code. Make the components or pages at the SSR(server side rendering) so the SEO will become more optimized and the speed of the website is also faster.

  Advanced Skills: Next.js, Nest.js, TypeScript, Turboprops, MongoDB, Tailwind CSS, AWS, go lang, Node.js

PROJECTS / ACHIEVEMENTS

TaskNest *(tech stack: Nest.js, Next.js, MongoDB, REST APIs)*-Link
- Developed a **Parental Control System** with **role-based authentication** (Parent, Child, Admin) using **NestJS guards & JWT** for security.
- Implemented **parent-child relationships** allowing **two parents per child** and **multiple children per parent**, with middleware validating task modifications.
- Integrated **email verification** for signup and **admin controls** to manage tasks and relationships.
- Built a **fully responsive UI** with **smooth animations** and **reusable components** for optimized performance and maintainability.

Limbogram (*Skills: NodeJS, MongoDB, ReactJS, REST API, Express.js*) - GitHub
- Created Social media web application where users can like or dislike the posts, follow and unfollow another user. Add the facility of cloudinary that to fetch the photo and video from the cloudinary.
- Validate user with JWT token and expire the token after some time. Implement the searching logic so that user can easily find another people.

EDUCATION

Shri Ram Murti Smarak Institute of Technology, *Bareilly, Uttar Pradesh*   Nov2020 – May 2024
Degree: Bachelor of Technology in Computer Science and Engineering