Shivang Kanaujia

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Summary

Full Stack Developer proficient in building scalable web applications using React, Next.js, Node.js, and TypeScript. Experienced in real-time systems with 100+ users, microservices, API development, and CI/CD pipelines using Docker, Kubernetes, and AWS. Strong database skills (MongoDB, PostgreSQL) and focus on performance optimization, clean architecture, and cross-functional collaboration.

Skills

Languages: C++, JavaScript/TypeScript, Rust
Frontend: ReactJS, NextJS, Flutter, HTML, CSS, Tailwind CSS
Backend: NodeJS, ExpressJS, Kafka, REST APIs, Microservices, SSR, OAuth
Databases: MongoDB, PostgreSQL, Redis, Query Optimization
DevOps & Cloud: AWS, Docker, Kubernetes, Vercel, Cloudflare Workers, CI/CD
Tools: Git, GitHub, Postman, Unit Testing(Jest)
Practices: Agile, Scrum, SDLC, TDD, Code Reviews

Professional Experience

Arduino Development Intern   Sept 2022 – Nov 2022
Plantech Innovations   on-site

- Developed embedded C++ firmware for Arduino UNO using sensor fusion to integrate 8+ sensors with 99.5% accuracy
- Resolved timing/sync issues to ensure 100% system uptime
- Fixed 5 library compatibility conflicts via version control and manual patching, reducing troubleshooting time by 40%

Projects

Finance App | *Tech Stack: NextJS, React, TypeScript, Hono, PostgreSQL, Clerk, Tailwind CSS* Link

- Developed a full-stack finance app with Next.js, Hono API, and PostgreSQL for real-time account tracking and transaction categorization
- Implemented secure authentication using Clerk and Drizzle ORM, eliminating unauthorized access by 100% during testing
- Designed a responsive analytics dashboard reducing manual tracking time by 70% and deployed an edge-based serverless architecture, achieving 90+ Lighthouse scores

Team Chat Application | *Tech Stack: NextJS, React, TypeScript, Convex, Tailwind CSS* Link

- Built a full-stack real-time chat platform with Next.js, Convex, and TypeScript, featuring channel creation and direct messaging
- Applied custom authentication and workspace-level access control for secure, role-based access
- Achieved sub-second message delivery and 75% boost in engagement through features like emoji reactions, image uploads, and serverless backend scalability

Education

B.Tech, Computer Science & Engineering   Graduated: June 2025
Dr. A.P.J. Abdul Kalam Technical University (AKTU)   Lucknow, India

Class XII – CBSE (89.2%)   March 2019
Jawahar Navodaya Vidyalaya   Shahjahanpur, UP

Achievements & Leadership

Completed JPMorgan Chase Software Engineering Virtual Experience - July 2025. Link
Completed AWS Solutions Architecture Virtual Experience - July 2025 Link
Completed Back End Development and APIs by freeCodeCamp - August 2025 Link
Organized Web/App Mania tech event with 100+ participants during college fest
Selected in top 80 from 5,000+ in JNVST competitive entrance test