SHANU TIWARI

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PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience building scalable, high-performance React and Next.js applications. Proven in optimizing frontend performance by 45%, streamlining API workflows, delivering modular, production-ready UI systems.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, HTML, CSS, SQL
Libraries/Frameworks: React.js, Next.js, Node.js, React Query, Redux, Zustand, Zod, Firebase, Apexcharts, Socket.io
UI Component Libraries/CSS: Chakra UI, Shadcn UI, Radix UI, Material UI, TailwindCSS, Bootstrap, Framer Motion
Databases/ORM: MySQL, MongoDB, NoSQL, Redis
Platforms/Tools: Git, GitHub Actions, Cursor, Warp, Vite, Vercel, Netlify, Postman, Swagger, Figma
AI/Others: LLM's, RAG, MCP, SSE, WebSockets, REST APIs, Scrum and Agile Collaboration, Context API

EXPERIENCE

DataNimbus (Hybrid) Bangalore, India
Software Engineer – Full time *November 2025 - March 2026*

- Delivered enterprise-grade Senior Management dashboard with tabbed transactions and deal limits, boosting efficiency by 35%
- Optimized frontend tables, Redux state & backend API calls, cutting dashboard load times 40% and preventing duplicate fetches
- Implemented centralized theming with dynamic styles and utilities, fixed UI bugs and ensured consistent UI across 15+ modules

Blursday (Remote) Bangalore, India
Frontend Engineer – Full time *November 2024 - February 2025*

- Architected the Brand Book Generator dashboard, increasing asset creation speed by 25% through modular, reusable UI design.
- Designed and integrated Google OAuth and OTP-based authentication, enhancing access control and improving login stability.
- Optimized Figma/Canva plugin performance via API and UI refinements, reducing load times and eliminating key bottlenecks.

Techlene Software Solutions (On-site) Indore, India
Software Development Engineer – Full time *March 2024 – November 2024*

- Built an IoT platform with WebSockets for real-time data, reduced delays by 30% and enhanced user experience and interaction.
- Accelerated app performance by 25% using Shadcn, Redux, and React Query for better state management and faster load times.
- Designed a custom JSON parser and integrated interactive mapping features with Leaflet, improving user engagement by 20%.

PROJECTS

Latency Topology Visualizer [Next.js, Three.js, TypeScript, Mapbox]

- Built 3D latency map to visualize 50+ exchange servers across AWS/GCP/Azure, updating every 8s for real-time monitoring.
- Delivered interactive time-series charts for 15+ crypto pairs, cutting data lookup time by 60% via debounced search and caching
- Boosted rendering performance 45% using frustum culling and LOD, achieving 60 FPS desktop and 40+ FPS mobile experience

Reelify [Next.js, MongoDB, NextAuth, imagekit.io, Tailwind CSS, DaisyUI]

- Developed full-stack short video platform with upload, like, comment features, boosting engagement and platform usage by 30%
- Implemented role-based authentication with NextAuth, reducing unauthorized access 40% and streamlining user recovery flows
- Built responsive mobile-first UI with TailwindCSS/DaisyUI, improving session duration, usability, and cross-device consistency

EDUCATION

Medicaps University Indore, Madhya Pradesh, India
Specialized in Data Science *August 2020 – July 2024*
Bachelor of Technology in Computer Science and Engineering *CGPA: 8.7/10*

TRAININGS/CERTIFICATIONS

Industrial Training in Machine Learning Medicaps University, Indore

- Completed intensive 6-week Data Science training in Python, statistics, data preprocessing, supervised ML and model evaluation
- Developed and evaluated an MNIST digit classifier using logistic regression, applying statistical analysis and performance metrics

Crash Course on Python Coursera

- Developed strong foundations in Python, data structures, functions, and object oriented programming through hands on projects
- Implemented Python based programs to solve algorithmic problems, reinforcing logical thinking and structured coding practices