

# ANISH KUMAR JHA

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## SKILLS

**Programming & Algorithms:** JavaScript, TypeScript, Java

**Frontend & Mobile:** React.js, Next.js, React Native, Redux Toolkit, Zustand, TanStack Query, Tailwind CSS

**Backend:** Node.js, Express.js, tRPC, Socket.io

**Database:** PostgreSQL, MongoDB, Supabase, Firebase, Prisma ORM, Mongoose

**AI Engineering:** LangChain, Gemini, Claude, Assembly AI, Vercel AI SDK

**Tools & Auth:** Git, GitHub, Clerk, Zod, Jest, Next Auth, JWT, Vercel, Docker, Redis

## WORK EXPERIENCE

### TBP LABS TECHNOLOGIES

Remote

Jun 2024 – Nov 2025

Software Developer Intern

Tech Stack: Next.js, React Native, TypeScript, React Flow, Redux Toolkit, AWS Amplify, Framer Motion, Firebase

- Engineered the 20+ page Phloz marketing platform using Next.js, GSAP, and Framer Motion, building a custom design system on Radix UI primitives to replicate Figma mockups exactly; achieved **sub-1.2s LCP and 95+ Lighthouse scores** via optimized AWS Amplify CI/CD pipelines.
- Spearheaded the TypeScript migration of **10,000+ lines** and implemented complex drag-and-drop conversational workflows using React Flow and Firebase, enabling automation capabilities that directly drove a **10% increase in recurring revenue**.
- Architected a resilience-first React Native communication layer using a custom **WebSocket** protocol with heartbeat/auto-reconnection logic and **AsyncStorage** caching; leveraged Reanimated and Redux Toolkit to ensure **sub-100ms UI latency** and smooth **60fps interactions** under high enterprise message volume.

## PROJECTS

### CodeContext

Oct 2025

Tech Stack: Next.js, TypeScript, Tailwind CSS, tRPC, PostgreSQL, Prisma, Supabase, Clerk, Google Gemini, LangChain, Vercel AI SDK, Razorpay

- Architected a **RAG-based** code intelligence engine using **Next.js** and **PostgreSQL (pgvector)**, implementing semantic search and file-level summarization to enable context-aware natural language querying of repositories.
- Engineered a fault-tolerant data ingestion pipeline utilizing **TypeScript** to robustly handle API rate limits and ensure reliable indexing of large-scale codebases and also implemented credit-based monetization system using **Razorpay**.
- Developed **real-time** streaming server actions using **Vercel AI SDK** and **React Server Components**, orchestrating **Gemini 2.5 Flash** to deliver instant, token-by-token generative responses.

### TwitterScraper

Nov 2025

Tech Stack: Python, FastAPI, Twikit, Chrome Extension, React, TypeScript, Tailwind CSS, Vite, Vercel, Render

- Engineered a **hybrid scraping** architecture coupling **FastAPI** with a custom **Chrome extension** to sync real-time cookies, reliably bypassing strict authentication and bot detection of Twitter/X.
- Built a high-performance **React dashboard** with **client-side NLP** for sentiment analysis, eliminating server latency and offloading backend computation.
- Implemented IP-based **rate limiting and LRU caching** using **Slow API** to secure endpoints against abuse while optimizing performance on resource-constrained infrastructure.

### YAP

Apr 2024

Tech Stack: MongoDB, Express.js, React(Vite), Node.js (MERN), Socket.io, Zustand, Zod, JWT, Mongoose, Redis, Docker

- Built a **real-time** chat engine using Socket.io and Zustand, implementing live typing indicators, instant message delivery, and optimistic UI updates for a smooth user experience.
- Developed a **containerized backend** with Docker and Redis caching to improve performance, securing the API with Zod validation, generic JWT authentication, and HTTP-only cookies.

## EDUCATION

### MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY

Rohini, Delhi

Bachelor of Technology (Computer Science & Engineering)

Expected 2026