FIRDOSH KHAN

thefirdosh@gmail.com | +91-7979009875 | GitHub | LinkedIn | Portfolio

SUMMARY

Full Stack Developer with production experience building scalable web applications using MERN stack, TypeScript, and modern cloud technologies. Developed real-time interview platform with WebRTC video integration and e-learning marketplace with payment processing. Proficient in designing REST APIs, implementing authentication systems, and deploying production-ready applications.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, C++, SQL
Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS, Redux Toolkit, TanStack Query, React Router
Backend: Node.js, Express.js, Hono.js, RESTful APIs, JWT Authentication, Role-Based Access Control
Databases: MongoDB, PostgreSQL, Prisma ORM, MongoDB Atlas
Tools & Platforms: Git, GitHub, Postman, Vercel, Railway, Cloudflare Workers

PROJECTS

Interviewlyyy – Real-Time Interview & Coding Platform   Live Demo
React.js, Node.js, Express.js, MongoDB, Clerk, Stream SDK, Inngest, TanStack Query, Piston API

- Built full-stack mock interview platform featuring real-time video calls, collaborative code editor, live chat, and screen sharing to simulate technical interview workflows
- Implemented secure authentication using Clerk with OAuth providers (Google, GitHub), role-based access control, and protected route middleware for session management
- Integrated Stream SDK for WebRTC-based video communication enabling multi-party video conferencing, chat messaging, and screen sharing capabilities
- Developed in-browser code execution engine supporting 40+ programming languages through Piston API integration with sandboxed containers and syntax highlighting
- Optimized frontend performance using TanStack Query for server state management and caching strategies, reducing redundant API calls by 60%

StudyNotion – E-Learning Marketplace Platform   Live Demo
React.js, Node.js, Express.js, Redux Toolkit, MongoDB, Razorpay Payment Gateway

- Built production-ready e-learning marketplace with role-based architecture enabling instructors to create courses and students to browse, enroll, and track progress
- Designed and implemented 20+ RESTful API endpoints for course CRUD operations, user management, enrollment workflows, and content delivery with input validation
- Developed JWT-based authentication with refresh token rotation, OTP email verification, password reset functionality, and protected route middleware
- Integrated Razorpay payment gateway for secure transactions, implementing webhook handlers for payment verification, order management, and automated email notifications
- Managed application state across 50+ React components using Redux Toolkit with normalized data structures and optimistic UI updates for seamless user experience

WORK EXPERIENCE

Web Development Intern   *April 2025 – May 2025*
Cognifyz Technologies (Remote)

- Developed authentication features for production application using MERN stack, implementing JWT token management with refresh mechanisms and role-based access control
- Designed and deployed RESTful APIs for user management and data operations using Express.js with proper request validation and standardized response formats
- Built responsive UI components with React and Tailwind CSS following mobile-first design principles and maintaining component reusability across the application
- Debugged production issues and delivered sprint features under tight deadlines in agile environment, participating in code reviews and following Git workflow practices

EDUCATION

Bachelor of Technology in Computer Science and Engineering   *Expected 2026*
Corporate Institute of Science and Technology, Bhopal | CGPA: 7.54/10.0
12th Grade: K.N +2 High School, Hazaribagh | 84.4% (2022)   **10th Grade:** K.N +2 High School, Hazaribagh | 82.4% (2020)