

# Muhammad Fareed

(Full Stack Developer)

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## Skills

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- Javascript | TypeScript | MongoDB | MySQL | PostgreSQL | Firebase | Sanity | ExpressJS | ReactJS | NextJS | Redux | Redux RTK | Stripe | OAuth | React-Query | TanStack | Zustand
- Frontend | Backend | Monolithic | Microservices | Kafka | RabbitMQ | CI/CD | Jest | Cypress | Sentry | React Testing | JWT | Clerk | Passport | Error Handling & Logging | OOP | DSA
- Docker | Kubernetes | System Design | Capacity Estimation | Horizontal & Vertical Scaling | Polling & WebSockets | trPC | GrPC | WebRTC | AWS Constructs (EC2, S3, CDNs, LB, EKS ) | Nginx | Load Balancers
- Rate Limiting | Captchas and DDos Protection | n8n Automation | Prisma | Redis | Drizzle | Authentication & Authorization | Mongoose
- REST API | GraphQL | Multiple-Tier | Common Design Patterns in JS | NeonDB | Supabase | Full-Stack | DevOps | Git/Github

## Projects

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- **FYPHub** : Fully functional project management system designed for university semester projects. The platform enables students to collaborate seamlessly with their teammates on a single, centralized dashboard  
**Tech Stack:** Nextjs, TanStack, ShadCN UI, Authentication & Email Verification
- **Monarch** : Built a MERN-based web application that connects university students for peer-to-peer learning. Users can send friend requests, connect with peers, and then engage through real-time chat, live video calls, and screen sharing to teach or learn subjects  
**Tech Stack:** MongoDB, Express.js, React, Nodejs, TanStack, String.io
- **Grocra** : Fully functional grocery e-commerce application with secure payment integration and a dedicated admin panel for managing products, orders, and users. Implemented features like product catalog, shopping cart, and checkout flow to deliver a complete online shopping experience.  
**Tech Stack:** MongoDB, Express.js, React, Node.js, Stripe Payment Gateway
- **AI Meeting Note taker** : Developed an advanced AI-powered note-taking application with multiple third-party integrations, including Slack, Discord, and Notion. Implemented secure authentication and user management with Clerk. Leveraged DevOps practices to containerize and deploy the application on AWS, ensuring scalability, security, and high availability.  
**Tech Stack:** Next.js, Clerk, AI APIs, Docker, PostgreSQL, AWS (EC2, S3, RDS, CloudFront), DevOps
- **RoyalEstate** : Built a real estate web application where users can buy and sell properties through a centralized platform. Integrated a real-time chat system to enable seamless communication between buyers and sellers. Named (RoyalEshtate)  
**Tech Stack:** MongoDB, Express.js, React, Node.js, SCSS, WebSockets (for chat)
- **Projects Hub** : Developed a collaboration hub where users can post project ideas, showcase their work, and manage their profiles  
**Tech Stack:** Next.js, Clerk, REST APIs, ShadCN UI, NeonDB
- **Resume Builder** : Developed a dynamic resume builder where users can choose from pre-designed templates and fill out a form with their details. The application automatically updates the selected template in real-time based on user input and generates a downloadable PDF of the completed resume.  
**Tech Stack:** MongoDB, Express.js, React, Node.js, PDF Generation Libraries (e.g., pdfmake / jsPDF)

## Education

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### **Bachelor of Science (FAST NUCES)**

- Major in Computer Science

## Mentorship

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- **Coding Mentor** : Responsible for mentoring and giving career advice to junior batch students
- **Computer Science Mentor** : Programming | Data Structure and Algorithms | Career advice

## Others

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- Successfully passed Turing Assessments and LinkedIn Assessments, demonstrating proficiency in various areas of web development.
- Participated in a University's web development contest, showcasing skills and commitment to excellence in the field.