

# TALHA SAJID

## Full Stack Engineer

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Talha Sajid

Portfolio Website

github.com/talhasajid849



### PROFILE SUMMARY

Certified Full Stack Engineer specializing in MERN stack with hands-on experience building 4+ web applications. Strong problem-solver with 250+ LeetCode solutions and solid foundation in data structures and algorithms. Proficient in modern web technologies including Next.js, TypeScript, and real-time systems. Seeking entry-level or junior Full Stack Engineer position to deliver scalable solutions and grow with innovative engineering teams.



### KEY PROJECTS

#### Mobile Bio Lab Web Application {Next.js, Node.js, PostgreSQL}

- Built enterprise-grade lab management system with role-based authentication (Admin, Lab Technician, Patient)
- Implemented real-time lab reservation system with QR code and BLE data capture for equipment tracking
- Developed interactive dashboards with Chart.js for data visualization and automated PDF report generation
- Tech Stack: Next.js, Node.js, PostgreSQL, Prisma ORM, Redis for caching
- Live demo and source code available on GitHub

#### Multi-Vendor E-Commerce Marketplace {MERN Stack, Socket.io}

- Designed and developed full-featured marketplace supporting multiple vendors and customer accounts
- Integrated real-time chat system using Socket.io for vendor-customer communication
- Built comprehensive order management system with status tracking and email notifications
- Implemented secure payment gateway integration and inventory management
- Demo available upon request

#### Real Estate Property Platform {MERN Stack}

- Created property listing platform with advanced search and filtering capabilities
- Implemented multi-image upload system with Cloudinary integration for optimized media delivery
- Developed secure JWT-based authentication and authorization system
- Designed fully responsive UI using Tailwind CSS for seamless mobile and desktop experience

#### Learning Management System {Next.js, TypeScript - In Progress}

- Developing comprehensive LMS with course creation, enrollment, and progress tracking features
- Building role-based dashboards for instructors, students, and administrators
- Implementing video content delivery,
- Using TypeScript for type-safe development and improved code maintainability



### EDUCATION

#### BS in Information Technology

Virtual University of Pakistan

Mar-2022 - Feb-2026



### TECHNICAL SKILLS

**Programming Languages:** JavaScript, C++, PHP(Basic),

**Frontend:** React.js, Next.js, TypeScript, JavaScript (ES6+), Redux Toolkit, HTML5, CSS3, Tailwind CSS, Styled-Components, Chart.js, Recharts

**Backend:** Node.js, Express.js, RESTful APIs, JWT Authentication, Prisma ORM, WebSockets (Socket.io), Nodemailer, Multer

**Databases:** MongoDB, PostgreSQL, MySQL, Redis (Caching)

**Cloud & DevOps:** Cloudinary (Media Management), Firebase, Appwrite, Git/GitHub, Postman, Vercel Deployment

**Security & Best Practices:** Helmet.js, CORS, XSS Protection, Rate Limiting, Bcrypt Password Hashing, Input Validation

**Other:** Data Visualization, PDF Generation, QR, Cron Jobs, Responsive Design, API Integration,



### CERTIFICATIONS

MERN Stack Development Certificate  
Dev Weekend Issued Sep 15



### LANGUAGES

- English (Working Proficiency)
- Urdu Fluent (Native)



### ACHIEVEMENTS & PROBLEM SOLVING

- 250+ LeetCode Problems Solved:** Solid foundation in arrays, linked lists, trees, graphs, dynamic programming, and sorting algorithms
- Technical Interview Ready:** Experienced in coding interviews, technical problem-solving, and communicating solutions effectively

Portfolio website and live project demos available on GitHub profile  
Open to remote opportunities worldwide | Available for immediate start