Muhammad Waqas Ayub

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SUMMARY

Aspiring Full-Stack Developer currently building expertise in the MERN stack and PostgreSQL. Focused on learning to design and develop scalable web applications by applying clean architecture principles and modern development practices. Gaining hands-on experience through portfolio projects that reinforce software engineering fundamentals. Developing proficiency across both frontend and backend technologies with a commitment to writing efficient, maintainable code and continuously expanding technical knowledge.

SKILLS

Languages & Frameworks: JavaScript (ES6+), React.js, Node.js, Express.js, MongoDB, HTML5, CSS3
Databases: PostgreSQL, MongoDB
Tools & Platforms: GitHub, VS Code

PROJECTS

SecureAuth (JWT Authentication System)
- Implemented JSON Web Token (JWT) authentication for secure user login and session management
- Integrated role-based access control to enhance application security and scalability
- Strengthened overall application security by enforcing token validation and secure password hashing

NodeCRUD (Full-Stack CRUD Application)
- Developed a complete CRUD (Create, Read, Update, Delete) system using Node.js and Express
- Connected to MongoDB for persistent data storage and implemented RESTful APIs
- Designed modular architecture to ensure maintainability and scalability for future feature expansion

EXPERIENCE

Self-Driven Development   Jan. 2025 – Present
MERN Stack Developer   Remote
- Developed a secure authentication system using **JWT, bcrypt, and Express.js** for user login and registration
- Built a full-featured **CRUD application** using React.js for the frontend and Node.js/Express with MongoDB for the backend
- Implemented RESTful APIs for data management, including create, read, update, and delete operations
- Focused on clean UI/UX, responsive design, and modular code structure using React components and hooks
- Continuously learning advanced React patterns, backend integration, and deployment best practices

EDUCATION

Alhamra University (NCBAE)   Oct. 2023 – Present
Bachelor of Science in Computer Science   Lahore, Pakistan
- Pursuing undergraduate studies with a focus on software development, algorithms, and modern computing technologies
- Building practical expertise through academic projects and hands-on learning in core computer science domains