

MUHAMMAD WAHAJ

FULL STACK DEVELOPER

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SUMMARY

Final-year Computer Science student and proactive Full Stack Developer with demonstrated success in building scalable, high-performance web applications. Experienced in delivering end-to-end solutions that integrate intuitive frontend interfaces with robust backend systems. Known for excelling in fast-paced environments, quickly mastering new technologies, and translating business needs into impactful, user-focused products.

TECHNICAL SKILLS

Programming Languages:

- JavaScript (ES6+), TypeScript, Java (Beginner), Python(Beginner)

Frontend Development:

- React.js, Next.js, Redux, Redux Toolkit, React Query, Context API, Axios, Vite, WebRTC
- UI/UX: HTML5, CSS3, Material-UI, Tailwind CSS, Bootstrap, Shadcn, Styled Components, Responsive Web Design, Cross-Browser Compatibility

Backend Development:

- Node.js, Express.js, Middleware (Auth), REST APIs, JWT, Passport.js, Backend Architecture & Design, CORS Configuration, Socket.IO

Databases & ORMs:

- MongoDB, Mongoose, PostgreSQL, Firebase, Supabase, Prisma

Version Control & Tools:

- Git, GitHub, Postman (API Testing), Docker, npm, yarn,

DevOps & Deployment:

- Vercel, Netlify (frontend deploy), Heroku, Railway (backend deploy), AWS (SES, S3), Twilio

WORK EXPERIENCE

Lady Evelyn Ltd

Junior Full-Stack Developer

Apr 2025 - Present

- Led end-to-end development of a CRM application, Developed and integrated **100+** APIs using Express.js (TypeScript) with PostgreSQL, and built responsive frontends with Next.js (TypeScript).
- Implemented advanced communication features such as live one-to-one **calls**, **power dialer**, **bulk calling**, and **SMS** services using **Twilio**.
- Integrated AWS services such as **SES** for bulk email sending and implemented **role-based** authentication for secure access management.
- Delivered responsive, user-friendly interfaces aligned with **Close.com**-style CRM features, ensuring scalability and client satisfaction.
- Managed and delivered 3+ concurrent projects, achieving **100%** on-time delivery while maintaining high-quality code standards.

Lady Evelyn Ltd

Full-Stack Developer Intern

Jan 2025 - Mar 2025

- Engineered backend architecture for a fitness application, delivering **50+** RESTful APIs with Express.js and MongoDB, enabling seamless data flow for **500+** daily active users.
- Developed core features including CRUD operations, **push notifications**, image storage on **AWS S3**, and secure email workflows using Nodemailer.
- Implemented two-step verification, enhancing authentication security and strengthening user trust.
- Gained hands-on experience with backend best practices, scalable architecture, and feature deployment.

PROJECTS

I have worked on numerous high-quality projects demonstrating strong expertise in Full Stack Development (MERN & modern web technologies). Many of these are deployed and available on my GitHub and showcased on my LinkedIn profile. Some of the key projects include:

- **AH7 Fitness Application (Express + Mongodb)**
Developed a complete fitness app backend with **50+** REST APIs, authentication, email verification, and push notifications. Implemented AWS S3 image storage and integrated secure email workflows using Nodemailer.
- **CRM Application (Next.js + Express + PostgreSQL)**
Engineered and optimized an enterprise-level CRM with **100+** APIs, role-based authentication, and scalable backend architecture. Integrated Twilio for live calls, bulk SMS, power dialer, and AWS SES for bulk email communication.
- **Netflix Clone (React.js, Material-UI, APIs, Custom CSS)**
Designed and developed a responsive Netflix clone as a practice project to strengthen frontend development skills.
 - Implemented login, signup, home, and profile pages replicating Netflix’s user interface.
 - Integrated movie APIs to dynamically display real-time movie posters.
 - Ensured mobile-first responsiveness with modern UI/UX using Material-UI and custom CSS.
- **Spotify Clone (HTML, CSS, JavaScript)**
Created a responsive Spotify-inspired music player as a practice project for mastering JavaScript interactivity.
 - Implemented key music player features: play, pause, next, previous, mute, and autoplay.
 - Designed a clean, responsive UI optimized for mobile screen sizes.
 - Enhanced understanding of core DOM manipulation and event handling.

EDUCATION

University of Karachi (DCS-UBIT)	Karachi
Bachelor’s in Computer Science (BSCS)	Anticipated- 2025
Govt. Dehli College	Karachi
HSC - Pre-Engineering	2021
Sir Syed School	Karachi
SSC - Computer Science	2019