

Muhammad Tayyab Asghar

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github.com/tayyabasghar

Experience

Software Engineer

Freelancing

June 2024 – Present

Remote, Pakistan

- Redesigned landing pages to enhance product showcase and customer engagement for businesses.
- Developed interactive UIs using HTML, CSS, JavaScript, and frameworks for seamless user experience.

Software Engineer

Ensemble Technologies

Sep 2024 – Nov 2024

Remote Contract, CA

- Developed and delivered the desktop app using Electron.js, ensuring **100% cross-platform compatibility**.
- **Enabled offline editing & real-time synchronization**, integrating **Firestore Cloud Functions**, allowing users to create applications offline.
- **Achieved 30% test coverage** for the **Firestore Cloud Functions** using Jest and setting up repository pattern to improve code organization.
- **Integrated Git support**, enabling code storing on repository management services like **GitHub** and **Bitbucket**.

Software Engineer (Outsourced by Rolustech)

LexCheck

Jun 2022 – May 2024

Remote, Pakistan

- **Revamped the LexCheck app**, enhancing UI/UX and performance, leading to a **20% increase in sales**.
- **Implemented Role-Based Access Control (RBAC)** with **user-specific dashboards and data visualizations**, improving access control and security.
- **Optimized app performance by 35%** by **reducing bundle size by 10%**, implementing **lazy loading**, **memory leak fixes**, and **removing redundant libraries**.
- **Strengthened security** by enforcing **strict CSP headers**, securing sensitive data with **Web APIs**, and ensuring **SOC 2 Type II compliance**.
- **Collaborated in the migration of cloud infrastructure** from **AWS to Azure DevOps**, optimizing performance and reducing **operational costs by 30%**.
- **Streamlined the onboarding process** for junior developers by **documenting workflows and best practices**, improving efficiency by **40%** and reducing training costs.

Education

University of Engineering and Technology,

Bachelors in Computer Science

Lahore, PK

Oct 2018 – March 2020

Projects

YASAC - Social App

github.com/TayyabAsghar/yasac

- Developed a **full-stack social app** and implemented core features like **user authentication, organization management, thread posting, likes, and public/private account settings**, ensuring seamless user interactions. Integrated **Clerk webhooks** to synchronize user activity with **MongoDB**, maintaining data integrity.
- Tech Stack: Next.js, Tailwindcss, shadcn/ui, MongoDB, Clerk, Vercel

Place Finder

github.com/TayyabAsghar/place-finder

- Built an app for booking accommodations with secure **JWT** token-based authentication and hashing & salting for data protection. Optimized performance with code splitting, lazy loading, and **Cloudinary** integration for efficient image processing and delivery.
- Tech Stack: React, Tailwindcss, MongoDB, JWT, Express.js, Redux, Cloudinary, Render

Technologies

Backend: Node.js, Express.js, Swagger, MSSQL, MongoDB, Firestore

Frontend: Next, React, Electron, Angular, JS/TS, HTML/CSS, Sass, JEST, Storybook

Cloud Technologies: Azure DevOps, AWS, GitHub Actions

Libraries: Redux, RxJs/NgRx, Material UI, Tailwindcss, shadcn/ui, Ant Design, React-Query

Tools/Methodologies: Jira, Azure Boards, Github Boards, Agile, Kanban, Git, Github, BitBucket