

# Muhammad Hassan

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## TECHNICAL SKILLS

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**Languages:** Javascript, Typescript, C++, Rust, Python, HTML/CSS

**Frontend:** Next.js, React, Redux Toolkit, Zustand, Recoil, Tailwind CSS, Bootstrap, Material UI etc.

**Backend:** Node.js, Express.js, NestJS, Socket.IO, Web RTC, Cypress, Auth0, Flask

**Mobile:** React Native (iOS/Android Development)

**DevOps:** Redis, Kafka, Docker, AWS (EC2, S3, Amplify & Lambda), Kubernetes, Heroku, Vercel, Netlify, cPanel, Gitops, Jenkins

**Databases:** PostgreSQL, MySQL, SQLite, MongoDB, DynamoDB, Firebase, Supabase, CMS (Strapi, Sanity, Payload)

**ORMs:** Prisma, Drizzle, Sequelize, TypeORM

**Developer Tools:** Git/Github, VS Code, Cursor, Postman

## EXPERIENCE

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### Full Stack Engineer

Dec 2024 - Present

*Useryze*

- Created an AI-powered SAAS content tool integrating AI technologies including PineconeDB, OpenAI API & Deepseek models. Utilized scraped posts from social media channels for context using vector embeddings to create a complete Marketing Funnel for the tool to write content.
- Developed the org's landing page as CRO for A/B testing & deployment to VPS & AWS Amplify. Powered all website through Payload CMS for dynamic content throughout.

### Full Stack Engineer

May 2024 - June 2025

*GT Solutions USA*

- Developed Full Stack Web Applications & Mobile Apps as in-house CRMs for US based Daycares & other businesses for a potential 1000+ user base. The admin portals have role-based employee management as well as payment modules integrated into them.
- Coded an Admin Panel for Aga Khan Hospital as part of their research for a food survey project. Added necessary functionalities (e.g. location access, offline data management) into the mobile app.

### Freelancing, Web Developer

October 2023 - August 2024

*Fiverr*

- Have created 14+ Freelance projects up till now, including multiple ecommerce & full stack applications from scratch using technologies such as Next JS, Typescript, Tailwind, Next Auth, Sanity & others. Few of them are [OkJobs](#), [Chairlaxed](#), [Bordsteinschwalbe](#), [RCA Capital](#), [Legal Crystal](#), [Dezgnkraft](#)

### Junior Full Stack Developer

June 2023 - November 2023

*Xeverse.io*

- Worked on international client projects including the frontend of an AI Chat Application with multi format responses. Uses Next Auth for authentication & saves chat history as well. Has the ability to create charts, generate business reports & generate tabular data for data visualization. 🔗
- Other client projects include a FullStack CRM using Next.js & Typescript to manage data of upto 10k+ users & employees for a company. Integrated Cypress for continuous testing of app.

### Co-Head IT Department




October 2022 - March 2023

*Alpha College*

- Built a Full Stack web app with custom multi-step registration form, user portal for teams, online payment verification & admin panel for an inter-school Science Olympiad with more than 100 team using Vanilla Javascript, HTML and CSS. Oversaw Automatic Attendance System for 500+ participants using Barcode to verify them during 3 days of competition.





## PROJECTS

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- Food EApp** | *Next JS, Javascript, React Native, Express, MySQL, SQLite, JWT, Cloudinary*  May 2024
- A dietary recall system for Aga Khan Hospital consisting of a Landing Page, Mobile Application & a Web-based Admin Portal for their research project funded by WHO.
  - The Mobile App is compatible to collect data from people from remote areas by field workers.
  - The contents of the survey & results are controlled by a secure Admin Panel, displaying the trends & stats of survey. These results are published to the main website.
- Custom Website Builder** | *Next JS, Typescript, Firebase, RTK, Shadcn, Tailwind*   March 2024
- Created a website builder, similar to Webflow, from scratch, having drag & drop functionality for adding elements without using any available library.
  - Used Firebase for Auth & data storage as well as browser local storage for saving current state.
  - Gave users the ability to undo or redo their changes & deploy the created websites on the same website's subdomain using middleware.

## AWARDS

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- Full Stack Hackathon Winner - Zabefest '24**   May 2024  
*Shaheed Zulfikar Ali Bhutto Institute of Science and Technology*
- Developed a Full Stack App in just 2 days, enabling customers to seamlessly self-checkout at modern cashier-less stores
  - App features QR code scanning and manual product addition, enhanced by location-based verification for secure and personalized shopping experiences.
  - Implemented robust authentication with protected routes to safeguard user data and transactions.
- Web Development Runners Up - Developer's Day '24**   April 2024  
*National University of Computer and Emerging Sciences*
- Created a version-control system (similar to Github) where users can upload their code be able to track version history. Users can be part of an organization contribute to the code base using commits repo can be reverted back to any past commit by the Organization Admin

## EDUCATION

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**Habib University**  
*BS Computer Science*

**Alpha College**  
*A' Levels*