

# M. HASSAN

SENIOR FRONTEND DEVELOPER

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## Professional Summary

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Detail Oriented Frontend developer with over 5 years of experience building scalable, responsive, and user friendly web and hybrid mobile applications using a mobile first approach. Proficient in JavaScript, React Native, React.js, Next.js, TypeScript, and modern frameworks, with expertise in API integrations and performance optimization, with a strong track record in delivering high quality projects across diverse industries. Skilled in cross functional collaboration, problem solving, and adopting emerging technologies to enhance user experiences.

## Technical Skills

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- **Languages:** JavaScript, TypeScript, HTML5, CSS3, SCSS
- **Frameworks & Libraries:** React Native, React.js, Next.js, Redux, RTK Query, Tailwind CSS, Material UI, Ant Design, Bootstrap, ApexCharts, ReCharts
- **Backend & Database:** Node.js, Express.js, MongoDB, Firebase Backend Services
- **Tools & Technologies:** GitHub, WebRTC, MicroFrontend , API Integration , Web scraping.
- **Cloud:** Firebase

## Professional Experience

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### Senior React Developer | Sep 2024 - present

CodeELS, Dubai, Remote

- Develop and lead end-to-end web and mobile applications using React.js, Next.js, React Native (Expo & CLI), TypeScript, Redux, Zustand, and React Query, delivering scalable and reliable solutions projects.
- Architect and optimise frontend systems for SaaS platforms, improving scalability and reducing build times by up to 30%.
- Design and maintain reusable hooks, shared UI components, and design systems with TailwindCSS, reducing code duplication by 40% and improving development efficiency.
- Implement performance optimisations including code-splitting, lazy loading, and efficient state management, achieving up to 30% faster load times across web and mobile platforms.
- Build and integrate advanced mobile features such as in-app purchases, push notifications, and audio synchronisation to enhance user engagement.
- Collaborate closely with backend and UI/UX teams to integrate APIs and services using Firebase, Supabase, and Drizzle ORM, ensuring seamless data flow and improved user experience.
- Communicate technical decisions and project progress effectively with stakeholders, ensuring high-quality delivery, reliability, and alignment with business goals.

## Mid-Level Senoir React Developer | Feb 2024 - Sep 2024

Code Aesthetics, Lahore, Pakistan

- Led development of Nemrah Ahmad LMS using React Native, Next.js, and TypeScript, serving 100K+ users.
- Added audio-synced reading, deep linking, and multilingual support, boosting engagement by 35%.
- Integrated Apple In-App Purchases, Firebase notifications, and RTK Query, reducing data errors by 25%.
- Built admin dashboard and web portal for content management, improving workflow efficiency by 40%.
- Optimised app performance with lazy loading and efficient state management, increasing speed by 30%.
- Implement secure subscription-based access and content protection, enhancing user trust and retention.

## Full Stack Developer | Mar 2022 - Feb 2024

ScholarDen Inc., Lahore, Pakistan

- Developed web and mobile apps using React, Next.js, and React Native with Firebase Cloud Functions.
- Built real-time features with Firestore, improving student engagement across platforms.
- Collaborated with cross-functional teams to deliver scalable and high-quality applications.
- Conducted code reviews and optimised Firebase Cloud Functions for performance and reliability.

## Key Projects

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### *Astra Chat App*

Built Astra Chat, a decentralized end-to-end encrypted messaging and calling app using React Native and the Matrix protocol. Led the rebuild of a single iOS client into a unified app for 2 platforms, iOS and Android. Implemented core Matrix flows including authentication, onboarding, SSO, reCAPTCHA, and soft logout, along with real-time chat, media sharing, offline support, encrypted notifications, and secure voice and video calls. Worked closely with DevOps, designers, and mentored junior developers.

Link: <https://hassanprodeveloper.com/projects/astra-chat-decentralized-messaging>

### *Quran AI App*

Built a full-stack Quran application using React Native (Expo) and Next.js, delivering a cross-platform mobile app for iOS and Android with a scalable backend deployed on Vercel. Led end-to-end development across UI, APIs, and deployment, while managing one junior developer for the admin dashboard and conducting regular code reviews. Implemented AI-powered Quran chat, audio recitations, prayer tracking, daily streaks, offline access, and subscriptions via RevenueCat. Published apps to both stores and collaborated closely with the project manager to meet milestones and product goals.

Link: <https://hassanprodeveloper.com/projects/quran-application>

### *Nemrah LMS App*

Built a cross-platform LMS mobile app for iOS and Android using React Native, serving 100K+ downloads across app stores. Implemented reading with synchronized audio, multilingual support in English and Urdu, deep linking, server notifications, and screen capture prevention. Integrated Apple In-App Purchases, Firebase push notifications, and audio streaming with react-native-track-player. Developed a Next.js SSR web portal for free content access and contributed to an admin dashboard with role-based permissions and audio-text sync tools.

Links:

- Case Study: <https://hassanprodeveloper.com/projects/nemrah-ahmad-lms>
- App Store: <https://apps.apple.com/pk/app/nemrah-ahmad/id6504430475>
- Play Store: <https://play.google.com/store/apps/details?id=com.nemrahahmad>

## *MatesLive & MShop Ecosystem*

Developed MatesLive, a comprehensive social platform with an integrated e-commerce solution (MShop), using React, Next.js, TypeScript, Redux, and TailwindCSS. Built multiple portals including the MatesLive payment platform, Mate Eye (admin dashboard), Mate Agency, Mate Merchant, Mate Seller, MShop, and MShop Admin, enabling seamless management for content creators, agencies, merchants, and administrators. Integrated secure payment gateways such as EasyPaisa, JazzCash, Telr, Epay, Tap, and Mate Wallet, while implementing role-based access control and multi-user management. Developed real-time monitoring and reporting features using Zego Cloud and HLS video streaming, alongside full e-commerce functionality including product catalogs, cart, checkout, wishlist, seller dashboards, and delivery management. Optimized performance and SEO with SSR/SSG in Next.js and collaborated with cross-functional teams, mentoring junior developers to ensure code quality and scalability.

Link: <https://hassanprodeveloper.com/projects/mateslive-mshop-ecosystem>

## *Scholar Den Platform*

Built Scholar Den, an online GRE preparation platform using Next.js with Firebase as the backend, designed to deliver test-like practice environments and high-quality study resources. Developed all guest-facing pages to ensure a clear and accessible user experience, and integrated Stripe and PayPal for secure payments. Worked closely with the team to support students at different stages of their GRE journey, helping them practice effectively and improve performance through a reliable and scalable web application.

Live Links:

- Case Study: <https://hassanprodeveloper.com/projects/scholarden-ecosystem>
- Site: <https://scholarden.com>

## *GRE Vocabulary*

Developed GRE Vocabulary, a cross-platform mobile app for Android and iOS using React Native, TypeScript, and Firebase, designed to help students prepare for the GRE. Built from scratch, the app provides a comprehensive vocabulary-building tool with features to practice, track progress, and enhance word retention. Implemented a scalable architecture to handle content delivery and user data securely, ensuring smooth performance across devices. Published on both Google Play Store and Apple App Store, the app enables students to strengthen their vocabulary and improve their GRE test readiness efficiently.

Links:

- Case Study: <https://hassanprodeveloper.com/projects/gre-vocabulary-mobile>
- App Store: <https://apps.apple.com/pk/app/scholar-den-gre-vocabulary/id6444090677>
- Play Store: <https://play.google.com/store/apps/details?id=com.scholardenvocabulary>

## *Housy E-commerce Platform*

Developed Housy, a complete e-commerce ecosystem with multiple web portals including Housy Shop, Seller, Admin, and Delivery Portal, using React, Next.js, TypeScript, Redux, and TailwindCSS. Built Housy Shop for customers to browse products, manage carts, and complete secure purchases, while the Seller portal enables merchants to manage inventory, orders, and promotions. Designed the Admin dashboard for platform moderation, analytics, and role-based access control, and developed the Delivery Portal to track and manage shipments in real time. Integrated multiple payment gateways and optimized performance and SEO with SSR/SSG in Next.js, delivering a seamless, scalable, and fully-managed e-commerce solution.

Links:

- Case Study: <https://hassanprodeveloper.com/projects/housy-ecosystem>

## *Academic History*

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### **Virtual University | Sep 2019 - Aug 2023**

Bachelor of Science in Computer Science

Acquired advanced knowledge in core Computer Science, Mathematics, and solidifying expertise in programming and IT fundamentals

### **Saylani Mass IT Training | Sep 2020**

Web & Mobile Hybrid Application Development

- Learn JavaScript, React, React Native
- Quiz Web App using Firebase
- Blood Doner Mobile App (Hackathon)

## *Professional Recommendations and Reviews*

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### ***Asad Khan, Chief Technology Officer @ ScholarDen – LinkedIn Recommendation***

It was a pleasure working with Hassan. He was always smiling and always ready to get things done. His technical skills and interpersonal skills were both up to the mark.  
I wish him best of luck in his career.

### ***Amat ur Rehman, Product Designer – LinkedIn Recommendation***

Working with Hassan has been an absolute pleasure! His exceptional technical skills and keen attention to detail have greatly enhanced our collaborative projects. His ability to translate design concepts seamlessly into functional code is truly impressive. Along with all these things, he has been a very supportive person as a team mate. I highly recommend Hassan for his professionalism, expertise, and dedication.