MD. SHAHADOT HOSSAIN

Software Engineer | React & React Native Specialist | JavaScript & TypeScript Enthusiast

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Uttara Sector 4, Dhaka, Bangladesh

PROFESSIONAL SUMMARY

Proficient React Native Developer with 3.7+ years of experience building and maintaining cross-platform mobile applications for enterprise clients, including Unilever, BAT, Nestlé, and Nagad. Specialized in automation-based operations, delivering applications serving 10,000+ users with 100,000+ daily transactions. Expert in offline-first architecture, real-time location tracking, face detection, and liveness verification. Proven track record implementing agile methodologies and cutting-edge technologies to improve performance, security, and scalability while collaborating with cross-functional teams.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript

Frontend Frameworks: React Native, Expo, Next.js, React.js

Backend Technologies: Node.js, Express.js, Nest.js

Architecture & Design: Microservices Architecture, Clean Architecture, MVVM, MVC, Repository Pattern, Monorepo (Nx)

Databases: MongoDB, MySQL, Prisma ORM

State Management: Redux, Redux Toolkit, React Query, Expo Router, React Navigation

Styling: Tailwind CSS, CSS-in-JS, Styled Components

Tools: VS Code, Git, GitHub, Xcode, Android Studio, Flipper, Jira, GitHub Actions, Docker

APIs & Services: REST APIs, GraphQL, AWS S3, Real-time Location Tracking, OCR, Redis, WebSocket

Specialized: Offline-first Architecture, Face Detection, Liveness Detection, Object Detection, CI/CD

PROFESSIONAL EXPERIENCE

HawkEyes Digital Monitoring Limited — Dhaka, Bangladesh
Mobile Application Developer — *July 2024 – Present*

- Lead development of React Native applications for Unilever, BAT, Nestlé, and Nagad serving 10,000+ territory managers with 100,000+ daily transactions
- Architected offline-first mobile solutions ensuring seamless functionality in low/no-connectivity scenarios, improving reliability by 40%
- Implemented advanced features: real-time face recognition, liveness detection, display capture prevention, asset tracking, GPS monitoring
- Developed multi-role applications (M-Lens, CM Supervisor, CM Live, MS Live) with role-specific dashboards and functionalities
- Integrated real-time data synchronization enabling administrators to access market data via remote portals
- Collaborated with cross-functional teams to define features and deliver products exceeding client expectations

HawkEyes Digital Monitoring Limited — Dhaka, Bangladesh
Jr. React Native Developer — *June 2023 – June 2024*

- Delivered multiple React Native applications for enterprise clients with high reliability and performance
- Created cost-effective cross-platform solutions providing consistent UX across Android and iOS devices
- Implemented agile methodologies integrating cutting-edge technologies for improved performance and security
- Resolved critical technical issues supporting app portfolio expansion, contributing to 30% growth in user satisfaction

TFP Solutions Bangladesh Ltd — Dhaka, Bangladesh
Jr. React Native Developer — *January 2023 – May 2023*

- Built Hello Superstar, a fan-based social media app connecting celebrities and fans globally with two-way communication
- Implemented user authentication, live sessions, auditions, chats, meetups, personalized greetings, and E-Showcase features
- Utilized REST APIs to retrieve data from AWS S3, enhancing application functionality and user engagement
- Maintained high-quality, efficient, reusable code following React Native best practices with 99% uptime

Global Skills Development Agency — Dhaka, Bangladesh
Frontend Developer — *June 2022 – December 2022*

- Developed online learning platform using Vue.js and Laravel with Redux, Tailwind CSS, and REST API integration
- Designed user-friendly interfaces simplifying management and improving user experience by 25%
- Created clean, modular frontend codebase emphasizing maintainability and scalability
- Integrated third-party applications enhancing software features and performance

KEY PROJECTS

Unilever TM (M-Lens & CM Supervisor) | *React Native, Redux, GPS, Face Detection* | App Store

- Multi-role application suite for field operations with M-Lens supporting multiple roles and CM Supervisor for supervisory tasks
- Implemented liveness detection, display capture prevention, asset tracking, real-time location monitoring for enhanced security
- Enabled real-time market data access via remote portals; deployed offline-first architecture for limited connectivity areas

BAT MM Automation (CM Live & MS Live) | *React Native, Real-time Sync, Location Services*

- Developed automation suite with CM Live for field operations and MS Live for supervisory management
- Integrated liveness detection, asset tracking, real-time location monitoring; optimized for 1000+ concurrent users

Nagad TM (Pulse TMR, TMS, MR & MS) | *React Native, Offline-first, CRUD Operations*

- Built suite of mobile apps for Nagad territory management with role-specific dashboards and offline-first approach
- Developed user authentication, real-time location tracking, comprehensive CRUD operations with automatic sync

Hello Superstar | *React Native, AWS S3, Social Media* | Play Store

- Social media app connecting celebrities and fans with live sessions, auditions, chats, meetups, and E-Showcase
- Implemented fan groups, Q&A sessions, exclusive paid content; integrated AWS S3 for scalable media storage

Shopora—Multi-Vendor eCommerce SaaS | *Next.js, Node.js, Prisma, MongoDB, Redis* | GitHub

- Full-stack multi-vendor eCommerce platform built with Nx monorepo architecture supporting microservices-based scalable design
- Architected backend with Express.js API Gateway, Auth Service, Product Service, and Order Service; implemented JWT authentication with refresh tokens, Redis caching, rate limiting, and email verification using Nodemailer
- Developed frontend with Next.js, React Hook Form, TanStack Query for efficient data fetching, and Tailwind CSS for modern UI
- Implemented seller registration system, product management, order processing, and Swagger API documentation for developer experience

Prototype Applications | *AI/ML, Computer Vision* | HE Universe - App Store

- **HE Universe:** Advanced prototype showcasing innovative UX and cutting-edge mobile technologies
- **Face Detection & Comparison:** Real-time face recognition with similarity matching for identity verification
- **Material & Object Detection:** AI-powered tools for identifying and classifying materials with mobile-friendly interfaces
- **HawkEyes & Arabic OCR:** OCR functionality including Arabic text recognition for multilingual support
- **Banglalink TMR:** Telecom-focused mobile solution streamlining reporting and monitoring operations

EDUCATION

Green University of Bangladesh   **Dhaka, Bangladesh**
Bachelor of Science in Computer Science & Engineering   *January 2017 – April 2020*

CERTIFICATIONS

- JavaScript Basic Certification • Web Design(Creative IT) • React Specialist • Complete Android App Development Masterclass • Advanced Mobile App Marketing

ADDITIONAL INFORMATION

- **Soft Skills:** Agile methodologies, Cross-functional collaboration, Problem-solving, Technical leadership
- **Languages:** English (Professional), Bengali (Native)