

M D KHOKANUZZAMAN

SOFTWARE ENGINEER

(Flutter • React Native • Android • iOS)

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SUMMARY

Senior Mobile Software Engineer with 6+ years of experience specializing in high-performance Flutter, React Native, Android, and iOS development. Expert in executing complex React Native to Flutter migrations and building advanced native bridges using Method Channels and PushKit. Proven technical leader recognized for setting engineering standards, mentoring junior talent, and scaling healthcare platforms from early-stage concepts to production-ready solutions.

SKILLS

Languages : Javascript, dart, typescript, kotlin

Frameworks & Libraries : Coroutines, go_router, riverpod, retrofit, json_serializable, Jetpack Compose, firebase, redux, react native paper, axios, React Navigation.

Tools : Git, Android Studio, Xcode, Postman, Figma, JIRA, huly

Concepts : RESTful APIs, Unit Testing, Design Patterns (MVC, MVP, MVVM), Firebase, CI/CD, Android Material Design

WORK EXPERIENCE

Software Engineer - I

Jan 2023 - Present

Square Health Ltd., Dhaka, Bangladesh

- Build and maintain high-quality mobile applications.
- Lead technical decisions, set coding standards, and ensure best practices are followed.
- Guide and mentor junior developers to improve their skills and productivity.

Software Engineer - II

Oct 2021 - Jan 2023

Square Health Ltd., Dhaka, Bangladesh

- Developed and maintained core patient-facing features including telemedicine, appointment booking, and video consultation workflows.
- Led and contributed to the migration from React Native to Flutter, improving application performance, maintainability, and long-term scalability.

Junior Software Engineer

April 2019 - Oct 2021

Square Health Ltd., Dhaka, Bangladesh

- Developed and maintained Android, iOS, Flutter, and React Native applications for healthcare platforms.
- Implemented REST API integrations using Retrofit and Axios.
- Used Redux and Redux Thunk for state management in React Native applications.
- Worked on requirement analysis, feature development, and production bug fixing.

Lead Migration & Performance

Spearheaded a full-scale migration from React Native to Flutter for patient-facing healthcare applications, resulting in a 30% improvement in app startup time and significantly enhanced long-term maintainability.

Architected and implemented a Clean Architecture framework across mobile teams, ensuring a clear separation of domain and data layers to reduce code technical debt by 30%.

Bridged native functionality using Flutter Method Channels and Event Channels to support specialized digital health features that required deep Android/iOS integration.

FEATURED PROJECTS

JOTNO - For Doctors

[Play Store Link](#)

- Jotno is an application for doctors to manage appointments and do prescriptions digitally in their chambers. Jotno also has telemedicine features.

Technologies : Flutter, Riverpod, Retrofit, JSON serialization, Method channel, Event channel.

JOTNO - Patient App

[Play Store Link](#)

- Healthcare application providing telemedicine, appointment booking, and digital health services.

Technologies: React native, redux, async storage, axios, Native modules,

Confidence Reseller BD

[Play Store Link](#)

- Confidence Reseller BD, an all-in-one eCommerce and reseller platform in Bangladesh. You can shop for your favorite products online or start your own reselling business without any investment.

Technologies: Flutter, Riverpod, Retrofit, JSON serialization,

EDUCATION

Computer Science Engineering (CSE)

National University

2014-2018

YouTube Channel – Troubleshoot Bangla

Founder and creator of TroubleshootPT, a technical YouTube channel focused on web development, mobile app development, and real-world problem solving.

Publish tutorials, course-style videos, and issue-resolution guides covering Flutter, React Native, and general development challenges.

Personal Portfolio & Articles

Maintain a personal portfolio and blog at khokan.me.

Write technical articles on AI, software development, architecture, and productivity, sharing practical insights with the developer community.

Startup & Product Lifecycle Experience

I've worked across the full product lifecycle—from early-stage concepts to fully scaled solutions. I've seen products grow from scratch, shaping design, development, and launch phases. This experience has given me insight into how products evolve and scale, preparing me for future leadership.

Web Development & Design Passion

Early in my career, I worked extensively in web development, including WordPress, React, and Node.js. I'm passionate about web design, building APIs, and ensuring responsive layouts. Though mobile is my focus, web development remains a hobby that complements my overall skill set.