Soumik Bhattacharjee

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EDUCATION

- **Sylhet Engineering College**   Sylhet, Bangladesh
  Bachelor of Science - Computer Science and Engineering   *Feb 2014 - Nov 2018*
  Courses: *Operating Systems, Data Structures, Algorithms, Artificial Intelligence, Machine Learning, Databases, etc.*

SKILLS SUMMARY

- **Languages**:   Kotlin, Java, Dart
- **Frameworks**:   Android, Flutter, Ionic
- **Tools**:   Git, MySQL, SQLite, Jira, Mqtt, WebRTC, gRPC, etc.
- **Soft Skills**:   Leadership, Time Management, Problem Solving

EXPERIENCE

- **Brain Station 23 PLC.**   Mohakhali, Dhaka
  Sr. Software Engineer   *Aug 2024 - Present*
    - Delivered high-quality cross-platform Fintech applications using Flutter, optimizing for performance and scalability.
    - Collaborated with cross-functional teams to deliver secure, scalable, and maintainable solutions.

- **NybSys**   Mirpur, Dhaka
  Software Engineer (Android) → Sr. Software Engineer   *Feb 2022 - Aug 2024*
    - Developed & maintained multiple mobile app projects in **Kotlin, Java, Flutter, Ionic**, etc.
    - Worked in a variety of projects within the Social Media, Fintech, and Telecommunications sectors.

- **Bdjobs.com**   Kawranbazar, Dhaka
  Mobile Application Developer (Sr. Executive)   *Mar 2021 - Feb 2022*
    - Built and deployed new mobile applications using Kotlin & Flutter, streamlining workflows for thousands of users.
    - Led the mobile development team and collaborated with product and QA teams to meet tight deadlines and ensure quality.

- **ITMedicus**   Demra, Dhaka
  Android Application Developer   *Aug 2019 - Feb 2021*
    - Redesigned and optimized applications, reducing crashes by 20% and improving app performance significantly.
    - Delivered multiple high-impact health-tech apps, taking full ownership of project delivery and success.

PROJECTS

- **TillPay**   Android
  A modern Fintech app built using Jetpack Compose UI with Kotlin.   *[To be released]*
    - Designed and maintained MVVM architecture for clean and scalable development.
    - Integrated AWS Amplify GraphQL for seamless backend communication.
    - Leveraged advanced tools like Kotlin Flow, Hilt for dependency injection, Paging3 for efficient list handling, Firebase, and Google Maps for enhanced functionality
    - **Architecture & Libraries:** MVVM, Compose UI, Navigation Component, Flow, Hilt, ViewBinding, Paging3, Retrofit, Coroutine, Firebase services, Google Maps, AWS Amplify etc.

- **Sentra**   Android
  A Push-to-Talk app, offering real-time communication similar to a walkie-talkie.   *[Link]*
    - Developed features like voice-interactive AI, where users can converse with AI, and implemented conversation summarization in channels.
    - Worked with SDKs including WebRTC, MQTT, and gRPC for robust calling and messaging.
    - Built a secure and reliable platform with technologies like Firebase and advanced protocols.
    - **Architecture & Libraries:** MVVM, Hilt, ViewBinding, Paging3, Retrofit, RxJava, Firebase services, Google Maps, gRPC, WebRTC, MQTT etc.

- **Bdjobs**   Android
  A widely-used job portal application with over 1M users, built using Kotlin.   *[Link]*
    - Introduced innovative features like Live Interview, Resume Dashboard, My Jobs, and Video Resume.
    - Utilized technologies like WebRTC, Socket.IO, WorkManager, Coroutines, and Firebase services to enhance app functionality.
    - Built a secure and reliable platform with technologies like Firebase and advanced protocols.
    - Increased crash free sessions from **89%** to **95%** by monitoring and fixing the bugs.
    - **Architecture & Libraries:** MVVM, Jetpack Navigation, Room, WorkManager, Retrofit, Coroutine, Firebase services, SSL commerce, Google Maps, Google AdSDK etc.

- **Patient Aid**   Android

  A health-tech application serving over 1M users.   *[Link]*

  - Rewrote the entire app from Java to Kotlin, reducing app size by 50% and improving performance.
  - Implemented MVVM architecture, which significantly reduced crash rates and improved app stability.
  - Delivered a highly-optimized, offline-first experience for better user engagement.
  - Reduced the crash rate by **20%** and Maintained a staggering avg. rating of **4.5** with **1M+** installs.
  - **Architecture & Libraries:** MVVM, SQLite, WorkManager, Google AdMob, Retrofit, Coroutine, Proguard, Firebase services, etc.

- **Emdex**   Flutter

  A comprehensive drug reference guide application built using Flutter.   *[Link]*

  - Designed and implemented an offline-first strategy to ensure seamless access to critical information without internet connectivity.
  - Integrated In-App Purchase functionality, enabling premium content access and monetization.
  - Delivered a reliable, user-friendly interface for healthcare professionals, ensuring consistent performance across multiple devices.
  - Utilized Bloc State Management for clean architecture and efficient state handling across the app.
  - **Architecture & Libraries:** BLoc, SQFLite, Background Fetch, In-App Purchase, Firebase Push Notification, Firebase Remote config, etc.