Mufrat Karim Aritra

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SKILLS

- **Languages:** Java, Kotlin, Swift, JavaScript, TypeScript, HTML, CSS, Python, SQL.
- **Web/Cross-Platform:** Node.js, Express, React, Redux, Bootstrap, React Native, Hooks, JSON Web Token, Axios.
- **Mobile: Android** (Jetpack Compose, Coroutines, RxJava, XML), **iOS** (SwiftUI, Codable, Cocoa Touch, UIKit, ARKit).
- **Methodologies/Cloud/Databases:** SCRUM, CI/CD, MVVM, MVC, Firebase, Azure, AWS, MySQL, MongoDB.

EXPERIENCE

LegoCode Startup   **Remote**
Product Owner   Oct 2022 - May 2023

- Led a team of 4 developers using agile methodologies to plan, execute, and publish cross-platform mobile applications, successfully launching **Movie Mate** on major platforms including [Google Play Store](#) and [Apple App Store](#).
- Engineered the backend architecture, leveraging TMDB APIs to display over 850,000 movie and 2 million actor records.
- Designed divide-and-conquer and depth-first-search algorithms to seamlessly combine data sets from TMDB and OMDB APIs, delivering user queries of actor social medias (Instagram, TikTok) and movie ratings (IMDb).
- Spearheaded 10+ product mockups, creating 7 custom designs entering into Spring production line.

Citibank   **Remote**
Android Developer   Apr 2022 - Jul 2022

- Contributed to the development of [Citi Mobile App](#), delivering high-quality features for 10 million customers.
- Designed 10+ responsive user interfaces with Fragments, Navigation Components, ViewPager, and MPAndroidChart.
- Continuous Integration/Deployment Pipeline Integration with Jira, Bitbucket and Jenkins, pull requests, code reviews.

Freelance Mobile Engineer ([Apple Store](#) | [Google Play Store](#))   May 2021 - Apr 2022

- Developed [Swift Storm](#), a dark-mode weather app in iOS, featuring Core Location and URLSession to provide real-time, location-based weather forecasts with 97% accuracy.
- Developed [World Cup 2022 Tracker](#), a sports app in Android, featuring REST API via Retrofit and dependency injection by Dagger Hilt to display 10+ events per match, complete stats of 65 matches, and live updates of scores and schedules.
- Published [Fast Tasks](#) on Play Store, an offline task manager, featuring native Android Development and modern technologies such as Room, ViewModel and LiveData to manage 100+ tasks simultaneously with secured persistence.
- 1K+ downloads with regular updates, modern features, Unit Testing and Automated Testing (UI/Espresso/Mockito).

PROJECTS

[Artificial Newspapers](#) ([Wall Street Journal](#) | [New York Times](#))   Oct 2023

- Renovated the traditional newspaper reading experience by merging physical papers with interactive AR video overlays.
- Utilized Core ML and Vision frameworks for precise newspaper recognition, ensuring that the AR video overlays are contextually relevant to the articles and images.
- Transformed the newspaper pages into dynamic videos in real-time, offering an immersive multimedia experience.

[The City Tutors](#)   June 2023 - Sep 2023

- Led the revamp of The City Tutors' platform using a React-Express stack, delivering a seamless tutor-tutee experience.
- Developed management tools for real-time oversight of 200+ tutors and 2000+ tutees, with functionalities such as tutor-tutee linking, detailed views, and instant tutor availability updates.
- Integrated bcryptjs and JWTs, ensuring data integrity and secure tutoring sessions within the city tutors' community.

EDUCATION

Farmingdale State College   **Farmingdale, NY**
Bachelor of Science in Computer Programming and Information Systems   May 2021

- **Honors:** Cum Laude, Sigma Beta Delta.