

MD MAHFUZUR RAHMAN

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Skills

- Mobile App Development - Java | Kotlin | Dart | Flutter | Android Studio
- Backend Development - Laravel | CodeIgniter | PHP | Flask | FastAPI | Python | Node | MySQL | PostgreSQL | Firebase
- Front End Development - HTML | CSS | JavaScript | jQuery | Tailwind | Bootstrap
- Game Development - Unity 2D | Vuforia | C#
- Full-Stack | Microservices | Distributed Systems | CI/CD | Cloud Computing | OOP

Experience

Software Engineer

Softcell Solution Ltd

05/2022 - Current

- Developed backend infrastructure utilizing Laravel and CodeIgniter frameworks to support Admin Console and Mobile Applications.
- Developed a credit score engine Android module and integrated it with the company's Android app & Distributed for partner's android app using jitpack using the latest technologies of **Kotlin, Kotlin Coroutines, Retrofit, Git, Jitpack, and Android Studio**.
- Worked on the company's Android app, added new features and conducted testing to ensure high quality.
- Worked on developing a backend system for microservices and distributed system for a eKYC Solution using **FastAPI, SQLAlchemy and Python**.
- Used Agile development methodologies to ensure that the system was delivered incrementally and iteratively.
- Maintained code quality by employing best practices in software development and conducting code reviews.

Software Engineer

Wizard Software & Technology Bangladesh Ltd.

02/2019 - 05/2022

- Developed various software applications frontend and backend using latest technologies of **Laravel, Laravel Jobs, Redis, Blade Templating Engine, Websockets** and other latest technologies.
- Utilized **CI/CD and Github actions** to automate the software development process, from code testing to deployment.
- Managed and maintained the company's virtual private server (VPS), ensuring smooth operation and minimal downtime through proactive monitoring, troubleshooting, and optimization of server resources.
- Developed multiple mobile applications using **Flutter framework** with various state management approaches including **GetX, Provider, and Bloc** for efficient application development and maintenance.

Education

- M.Sc in Computer Science & Engineering 2021 - Present
Khulna University of Engineering & Technology, Khulna
- B.Sc in Computer Science & Engineering 2015 - 2019
First Capital University of Bangladesh, Chuadanga

Projects

- **ONE Bank e-Account:** Plugin developed for Android and iOS using Flutter, enabling customers to remotely open accounts with ONE Bank via mobile devices, enhancing utility and satisfaction with its feature. [[Google Play Store Link](#)]
- **eKYC Solution:** Developed an eKYC solution using FastAPI featuring face match, liveliness detection, NID OCR, and more, ensuring a seamless and secure identity verification process.
- **Kompass:** Mobile application developed with Flutter, offering an appointment and visitor management solution integrated with payroll & HR for enhanced daily efficiency. [[Google Play Store Link](#), [App Store Link](#)]
- **The Smart Stream:** Mobile Application developed with Flutter to provide users with convenient access to cricket world cups, allowing them to watch live score, fixture information, daily quiz, and more. [[Google Play Store Link](#), [App Store Link](#)]
- **Kube:** Backend and admin panel developed using Laravel which leverages open banking data and your information to improve your affordability and facilitate access to financial products for small and medium-sized businesses and individuals for the UK market. [[Visit Website](#)]
- **Btutors:** Developed Backend(Laravel) and Mobile App(Flutter) where a tutor can create their profile and whenever required parents can easily find the best tutors for their child using this platform. [[Google Play Store Link](#)]
- **Kachabazar:** Developed Mobile App(Java, Android) where users can shop by category, check status of their orders with order tracking facility. [[Google Play Store Link](#)]
- **Terces:** An Android Monitoring System (Java, Firebase) for parental control, employee monitoring where developed features like Remote Location Tracking, Screen Recording, Call Recording, Audio Recording, Social Media Monitoring, Stored files Monitoring and Custom Commands execution with Shell.
- **Matharon:** A jump and run genre mathematical puzzle game (Unity 2D, C#, Android, iOS) where used 2D physics engine using collision detection and response, programmed math quiz system and Firebase. [[Link to Youtube Gameplay](#)]

Achievements

- Advanced Professional Coaching with Industry Attachment Including Apps & Game Development of 5 Months duration under Skill Development for Mobile Game and Application Project (SDMGAP) from November 2019 to April 2020.
- Training for Mobile Application Developer (Android) under Skill Development for Mobile Game and Application Project (SDMGAP) from May 2018 to November 2018.

Other Qualities

- Habituated with GIT and Project management/Communication tools like Notion, Trello and Slack.