Tobibur Rahman

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Skills

- Java | Kotlin | Android | JavaScript | C++ | MySQL | Node Js | Express | React Js | React Native | Flutter | Git | Docker
- AWS | ECS | EC2 | ECR | Cloud Computing | Elastic Load Balancing | CloudFront | CI/CD | JUnit | Jest | Unit Testing | OOP
- Data Structure | Algorithms | Frontend | Backend | Full-Stack | English, Hindi, Assamese– *All professional proficiency or above*

Experience

Developer II - Software Engineer   **UST**   *Bangalore, India*   **08/2021 - Current**

- Designed and developed autonomous grocery store and e-commerce application using the latest technologies of **React, React Native and Node.js** with store operating by WIWO and automatic fill order cart and checkout functionality.
- Integrated scalable APIs and implemented notifications, in-app update checks and payment integrations.
- Automated check-in by the customer using a unique QR code and picking up groceries to the app cart via Cloudpick technology.
- Developed automatic checkout from the order items in the cart via payment gateway on leaving the store.

Software Engineer   **SIQES**   *Guwahati, India*   **06/2018 - 07/2021**

- Led the design and development of EDUAID, an e-learning application using **Android, Kotlin**, Django, Node.js and AWS.
- Designed and developed systems facilitating video lessons, tests and analytics making it easier to learn and check progress.
- Implemented gamification via 1v1 contests and badges generating 60% more student engagement.
- Added Lottie animations for fun and smooth UI visuals making the application attractive for high school students.
- Integrated Socket.IO with Android application for notifications, 1v1 contests, and chat features.
- Includes three applications, a student app for lessons, a parent app for monitoring the child's progress and a teacher app to clear doubts from the students.

Software Engineer   **Zantrik Technology**   *Guwahati, India*   **07/2017 - 06/2018**

- Designed and implemented enterprise health survey application of Assam's largest hospital GNRC Hospital using **Android** and **Java**, surveying health-related information of more than 16k+ families in Guwahati.
- Designed and developed feedback and complaint registration system application in **Android** and **Java** for MES, Govt. of India.

Education

Bachelor of Technology (B.Tech)   **North Eastern Hill University**   *Shillong, India*   **06/2013 - 08/2017**

- Major in Computer Science Engineering

Projects

- **Masjid Salah Time:** Designed and developed masjids time table full-stack application in Android, Node.js and AWS. **(10/2022)**
  Used docker containers for MySQL relational database and Redis for caching auth and refresh tokens with expiry.
  Deployed in AWS ECS via EC2 instance and added load balancer for fault tolerance and for a static public API and used Amazon CloudWatch to monitor backend logs. (Play Store Link)
- **Go-Corona:** Designed and developed a tracker application of coronavirus cases count around the world via public API. **(04/2020)**
  Integrated public API for covid stats using Retrofit, Livedata-ViewModel and used Material design for UI design. (Github link)
- **Batori:** Designed and developed a news application to read reports and headlines from various news sources via public API. **(04/2020)**
  Implemented offline mode, search news articles, bookmarks, list of sources and filter via source, topic and country. (Play Store Link)
- **Journal App:** Designed and developed a notes application to save journal entries and notes with date and time. **(04/2020)**
  Implemented note saving using SQLite, customizable UI animations and a biometric lock screen for privacy. (Play Store Link)

Mentorship

- **Workshop:** Instructor/Presenter in an Android app development workshop organized by CSE dept. of Regional Institute of Science and Technology, Meghalaya, India **(2018)**
- **Computer Science Tutor:** Programming | Data Structure and Algorithms

Others

- **1st prize winner**: Won 1st prize for the robotics competition of IBOT mini v3 programming at RIST held by ROBOTRYST. **(2013)**
- **Hackerrank badges**: Acquired gold level badge in C++, along with problem-solving and 30 days of code challenge. (Profile)
- **Leetcode badges**: 6 Leetcode badges and 380+ Leetcode problems solved from the most important DSA concepts. (Profile)