Tanmoy Barui

Full Stack Mobile Application Developer

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Experience

- **Etrans Solutions Pvt Ltd**, Mobile Application Developer — *July 2023 – Present, Kolkata*
  - Developed RESTful APIs using SpringBoot and microservices that is to use in Mobile Application Development.
  - Developed cross-platform mobile apps with Flutter and Dart, optimizing performance and ensuring seamless UI/UX across devices.
  - Integrated RESTful APIs and advanced Google Maps features, such as polylines, geofencing, and nested geofences.
  - Dynamic reports and forms created using animations and Dart ChangeNotifier for enhanced user engagement.
  - Collaborated closely with back-end teams for end-to-end solution delivery and deployed apps to the Google Play and Apple App Stores.
  - Using Git for efficient version control and project management.
- **OneData Software Solutions**, Spring Boot Developer — *Apr 2023 – Jun 2023, Remote*
  - Developed REST APIs using Spring Boot and JOOQ for seamless database interaction with PostgreSQL.
  - Conducted API testing using Postman to ensure functionality and reliability.
  - Collaborated with the team using GitLab for version control and project management.
- **Klizo Solutions Pvt Ltd**, Java Intern — *Feb 2023 – Apr 2023, Kolkata*
  - Worked with Java 8 and Spring Boot to develop back-end solutions.
  - Handled CSV data processing and integrated with MySQL databases.
  - Utilized Bitbucket for version control and collaboration.

Projects

- **JSMDC (August 2024 – Present)**
  A government project to streamline sand purchases for various buyers.
  - Integrated a WebView plugin to facilitate seamless payment processing within the app.
  - Enabled PDF download on Android devices and IOS Device.
  - Fetched addresses using latitude and longitude (and vice versa).
  - Used ChangeNotifier for state management.
  - Developed animated tabular widgets for improved UI/UX.
- **eTrans V7 (January 2023 – Present)**
  A cross-platform mobile app for vehicle tracking and management.
  - Used SQLite for offline data storage and management.
  - Vehicles displayed on Google Maps by fetching their location using latitude and longitude.
  - Implemented advanced map features such as polylines, geofencing, radius, and Google markers.
  - Built dynamic forms using queries to handle flexible requirements.
  - Implement Bar Code and Qr scanner for fetching data from various type of Tags.
  - Designed a comprehensive dashboards for entities to visualize data in graphical formats like bar graphs, pie charts, and line graphs using SfCartesianChart and real-time insights and data visualization.
- **eTrans Central (February 2024 – Present)**
  An internal app to manage employee attendance and tasks efficiently.
  - Ensured unique attendance service using Android and iOS device info to prevent duplicate attendance punches from different devices.
  - Generic components built for reusability in multiple modules.
  - Created various report forms for user-specific needs.
  - Published the app as a private app on iOS.

Skills Summary

- **Languages:** Java 8, Dart, MySQL, C
- **Architectures & Patterns:** MVVM, Microservices
- **Development Tools & Platforms:** Android Studio, Spring Tool Suite, IntelliJ IDEA
- **Tools:** Git, Postman, Docker, Redis, pgAdmin
- **APIs & Data Formats:** RESTful API, JSON
- **Frameworks & Libraries:** Spring Boot, JPA, Hibernate, Spring Security, Spring MVC, Flutter, Provider, JUnit, Mockito
- **Soft Skills:** Quick Learner, Strategic, Adaptive, Team Player

Education

- **Bachelor of Technology (B.Tech)** — *2014 – 2018* **Academy Of Technology**, Mechanical Engineering
- **Higher Secondary (10+2)** — *2013 – 2014* **Sri Ramkrishana Sikshalaya**
- **Secondary Education (10th)** — *2011 – 2012* **Sri Ramkrishana Sikshalaya**