Rupesh Mall

SOFTWARE DEVELOPER

rmall.dt@gmail.com • **07848678867** • **TW14 0ND – London** • **Status: Settled (ILR)**

A software developer with overall 3 years of experience in software development, particularly in Web and Android application development. Well-versed in JavaScript/TypeScript, Java and Kotlin and the related tech stacks. As a software developer, I've been inspired and dilligent about creating efficient applications and have demonstrated the ability to learn, work independently, and make decisions with minimal direction. I've been involved in a couple of technical projects for startups and a financial company and am now seeking new opportunities to expand my knowledge, apply my skills, and advance in my career.

WORK EXPERIENCE

TATA Consultancy Services (Lloyds Banking Group) • *Android Developer*   **Apr 2022 – Feb 2024**

- Implemented virtual card banner in the account overview section.
- Improved account overview quicklinks personalisation by replacing static quicklinks with dynamic quicklinks driven by the Real Time Interaction Management (RTIM) API.
- Delivered a POC project by contributing to the implementation of the suggestive search feature and contributed to the incremental migration from Android View System to Jetpack Compose.
- Worked in an agile scrum environment, taking part in shaping and refinement sessions with PO, BA, and team members contributing to the agile process.

TATA Consultancy Services - Graduate Scheme • *Junior Web Developer*   **Oct 2021 – Apr 2022**

- Completed TCS graduate training program focused on Java applications and test-driven development.
- Worked on TCS in-house help desk web application, a part of the larger and cross-functional TCS Ultimatix team. Refactored nearly 60 percent of the frontend codebase and made it modular and reusable using React.js, Redux, React/TanStack Query and CSS modules. Used Jest for test frontend code.
- Tested existing Spring Boot codebase with JUnit and Mockito.

Corpus Ltd • *Android Developer Work Experience (Internship)*   **May 2021 – Sep 2021**

- Responsible for Android app development within a larger team for a healthcare solutions provider.
- Contributed in the migration of Java codebase to Kotlin migrating Android AysncTask with Kotlin Coroutines.
- Leveraged app performance by using Room for local data persistence and Retrofit for API calls.
- Followed MVVM architecture, leveraging the usage of Android ViewModel for implementing booking system. Used Google Firebase database service for real-time data synchronisation and followed the best practices for version control using Git and GitHub.
- Used JUnit4 and MockK for unit testing, JaCoco for static code coverage, and Postman for testing APIs.

EDUCATION

BSc. Honours Computer Science – *1st class* • University of Hertfordshire   **2019 – 2020**

Final year project: AudioHub – real-time music collaboration mobile application (Java, Android). A simple collaboration application with audio record and playback, file sharing, and real-time messaging features using Google Firebase. Created with an aim to create, share, and work on projects involving audio files.
https://github.com/rmalldt/audiohub-java

HND Computing – *Distinction* • Uxbridge College   **2017 – 2019**

Programming Project: Developed a C++ console application with vehicle reservation and notification features using the OOP and Observer patterns.

SKILLSET

Languages: JavaScript, TypeScript, HTML and CSS, Java, Kotlin and C.

Library/Frameworks: React.js, Tailwind CSS, Next.js, Node.js with Express, Jest, Android SDK, Jetpack Compose, Kotlin Coroutines, Dagger Hilt and Mockito.

Databases: SQLite, MySQL and MongoDB.

Tools and Concepts: Git and GitHub, VSCode, IntelliJ, Android Studio, MySQLWorkbench, pgAdmin4, Jira & Confluence and Agile Scrum.

Cloud Services: MongoDB, AWS and Supabase.

PERSONAL PROJECTS

Freelance Web Developer
Contributed to a web platform, a community-driven knowledge-based forum for the Nepalese community specifically targeted for international Nepalese students studying in the UK. Designed and built UI components using TailwindCSS, Context API, and React Query. Discussed and collaborated solutions to deliver a dynamic forum where people can access and create knowledge on various topics (TypeScript, Next.js, TailwindCSS, AWS).

- Website: https://www.kchauk.com/topics/featured

Epok Collaboration App
An effort to create a collaboration web application with the functionalities similar to JIRA and Confluence (TypeScript, Next.js, Node.js with Express, Prisma ORM for PostgreSQL, AWS Amplify, Cognito and RDS).

- Github: https://github.com/rmalldt/proj-mgmt-epok
- Website: https://main.dtei7t07t9hwe.amplifyapp.com

React-bnb
A demo Single Page React application with the purpose of serving as a backoffice web application for employees managing a bread and breakfast business (JavaScript, React.js, React Router, React Query and Supabase).

- Github: https://github.com/rmalldt/react-bnb-backoffice
- Website: https://react-bnb-backoffice.vercel.app

Android Projects
- **Android self-learning documentation:** https://github.com/rmalldt/android-topics-and-scribbles

PERSONAL INTERESTS

I play guitar and occasionally write and record music, and take part in local running events.