ALLEN THOMSON

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GitHub ◇ LinkedIn ◇ Leetcode

PROFILE

Software Developer with two years of experience in managing the development of mobile applications on native and cross-platform platforms (Android, Flutter, React Native, Cordova). Experienced in high-performance mobile application design and implementation using modern methodologies. Has a high learning capacity for intricate processes and technical creative flexibility in developing business requirements into new innovative software applications.

WORK EXPERIENCE

Netcore Cloud   Sep 2024 - Present
Software Engineer   *Bengaluru, India*

- Android Development - Maintained and written solutions in Android and other frameworks: Flutter, ReactNative, Cordova.
- Automated mobile SDK integrations by building a self-serve tool that enables clients to integrate the SDK into their applications without manual assistance. This reduced the onboarding cycle by 15 days.
- Applications designed for the internal support team to debug tickets faster without needing to write lengthy queries to fetch data.
- Built internal tool in React and Flask to automate the integration process, reducing cycle duration by 30%.
- Collaborating with cross-functional teams to deliver high-quality products.
- Optimizing existing codebases and debugging complex technical issues.
- Git, Android SDK, Flask

WebEngage   Sep 2023 - Sep 2024
Technical Account Manager   *Bengaluru, India*

- Managed and optimized technical relationships with high-value clients.
- Delivered customized solutions to enhance client engagement and resolve technical challenges.
- Collaborated with internal teams to ensure seamless integration and client satisfaction.
- Provided strategic technical guidance to clients, enabling effective use of WebEngage products.

WebEngage   Dec 2022 - Sep 2023
Product Support Engineer   *Bengaluru, India*

- Developed a plugin SDK for Flutter WebApplications, built using recursion.
- Gave TAM Support to top clients.
- Wrote Nunjucks solution independent of the development team.
- Diagnosed and resolved integration issues related to the SDK in client Web and Android Applications.
- Conducted live bug-fixing sessions addressing issues in Native, React-Native, Flutter, and other hybrid integrations.
- Documented processes and facilitated onboarding of SMS service providers.

SKILLS

Spring Boot, Native Android Development (Java, Kotlin), Flutter, React Native, SQL (MySQL, Postgres), NoSQL - MongoDb, Kafka, Data Structures, Node.js, Git

PROJECTS

Attendance Tracking Mobile Application - Composable -Github

- Created an attendance tracking application that generates QR for users saved in the students DB, real time attendance records fetching from backend
- Technologies: Mobile Application - Jetpack Composable, backend - Springboot kotlin

Corpcon Backend Application - GCP

- Written and maintained the backend for Corpcon WebApplication.

· Technologies: Kafka for event synchronization, Git, Docker, Kotlin, Spring Boot

Food Delivery App - Flutter -Github

· Delivery app built on Flutter Framework.
· Firebase SDK - Firebase Auth SDK (User Authentication), Firestore SDK (Backend and DB).
· Design: MVVM Architecture.

Automatic Billing Machine - IoT -Github

· An unorthodox billing machine that uses image recognition techniques to bill items with an ML algorithm.
· Hardware: Raspberry Pi 3b+, Load Cell 5Kg, HX711-Load Cell amplifier, Webcam.
· Programming Language: Python, Checkout UI: React, ML Model: Edge Impulse (OpenS).

EDUCATION

Christ (Deemed to be) University   Jun 2023 - Jun 2025
M.Sc Computer Science and Applications   *Bengaluru, India*

· Key Focus: Data Structures, System Design, Artificial Intelligence, Spring Boot, Android Development

Christ (Deemed to be) University   Jun 2019 - Jun 2022
B.Sc in Physics, Mathematics, and Electronics   *Bengaluru, India*