TUSHAR SHARMA

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FRONTEND DEVELOPER | FLUTTER | MOBILE | ANDROID

Jombay   Pune, India
Software Engineer (Flutter)   Sept 2021 - Jul 2023

- Developed Jombay Assessments mobile app, a user-friendly platform available on Play Store and App Store with 1k+ downloads, scalable to more than 10k users; offers assessments like Aptitude, Psychometric, Critical Thinking, Abstract Thinking, Case Study, Asynchronous Video Interview; with live proctoring capturing user's live feed, app switch counts, and device changes.

- Led the development of multimedia response submission, handling camera and microphone permissions, enabling audio/video recording with playback, deletion, and re-recording features. Utilized S3 for chunked file storage, providing S3 bucket, S3 key, and CDN URL. Implemented auto-submission for assessments and responses based on timer expiration or app switch restrictions.

- Independently implemented integration, building, signing APK and distribution using Flutter-Fire CLI, GitHub Actions, and Fastlane. Praised by the team lead for efficient execution and adherence to best practices and security protocols, with Firebase App Distribution facilitating direct delivery to QA and the product team from the GitHub repository.

- Led the integration of Crashlytics into the app using Flutter-Fire CLI, tailored for different app flavors and variants. Took the initiative to work closely with QA, addressing reported queries in Crashlytics for prompt issue resolution.

- Created interview slot booking feature, enabling users to select and confirm slots from date ranges. Allows cancellation or rescheduling of booked slots for increased flexibility.

- Did a POC on an online group meeting app with Azure Communication Services using Android-only SDK, integrating seamlessly with Flutter through platform channels. Demonstrated proficiency in key Azure services, enabling features like cross-device call initiation, chat thread participation, and real-time notifications for new joins and messages.

SKILLS

Languages:	Dart, Python, C/C++, Java (basic)
Frameworks:	Flutter (Android, iOS), Ruby on Rails (basic)
Databases:	Realm (Project), MongoDB (MongoDB Atlas)
Flutter Libraries:	dio, provider, camera, permission_handler, video_player, audioplayers, webview
(I have worked on):	flutter_html, html_editor, flutter_local_notification, firebase_core, firebase_crashlytics
Tools, IDEs & Platform:	Git/Github, Android Studio, Postman, Firebase, Figma
Misc:	Agile (Scrum), Debugging, Data Structures & Algorithm, Open Source

PROJECTS

Simple CRUD App - List Keeping *Flutter, Realm, Design Patterns*   https://bit.ly/3S6jcgS
Developed a simple item list-keeping app utilizing the Realm database, implementing the DAO pattern.

A Movie Database App *Flutter, BLoC, TMDB API*   https://bit.ly/3HaqIAY
Engaged in the development of a movie database app, leveraging the TMDB API and implementing the BLoC.

Algorithms Visualizer *React, HTML, CSS, JS, Git*   https://bit.ly/3TMcFt1
An Algorithm Visualizer that illustrate a working of populor Algorithms along with their efficiency, costs, and real-time tranisitions of intermediate steps.

Sorting Visualizations *Processing, Markdown*   https://bit.ly/47oHWW8
Visualizations of Sorting Algorithms

Daily UI *Figma, Adobe XD, Designing*   https://bit.ly/47ss2tV
Long Challenge of 100 Days of UI Building

AWARDS

Winner (Jombay Hackathon), 2 Times Hactoberfest Qualified, Silver Medal (Design and Analysis of Algorithms), Silver Medal - DBMS, Topper (Programming in C), GATE 2021 Qualified

EDUCATION

Dr. A.P.J. Abdul Kalam Technical University, Lucknow   Lucknow, India
B. Tech Computer Science and Engineering | (I Div - Hons)   Aug 2017 - Aug 2021