

Gagandeep Singh

Flutter Developer

Nearly 6 years of hand-on experience with Flutter, developing applications on Android, iOS, Web & Desktop. In total, I have worked on over 10 projects and also assisted junior devs on 5+ projects. Proficient in Agile Methodology, Git, JIRA, Confluence & Trello and also handled clients/managers directly, showcasing strong communication skills. In development, leveraged platforms & tools like Firebase, Agora, Amazon Amplify & AppSync. I write well-documented, scalable and maintainable programs and also conduct code reviews for junior devs. I'm also a keen learner, currently learning Vue.js to expand my frontend skills. Also worked in a Test-Driven Development (TDD) environment and I am eager to continue learning and growing in my next role.

Contact

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Skills

Languages	Dart, C#, Javascript, HTML, CSS
Frameworks	<u>Flutter</u> MVVM architecture, Version Controlling through Git, State Management with Provider/ Riverpod, Implementation of Payment Gateways, Widget Customisation, RESTful API integration using Http/Dio/Retrofit, Working with Build Variants, Animations, Implementation of Push Notifications using Firebase, Firebase Authentication, Hive and Shared Preferences for local data Persistence, Localisation, Responsive UI, Native to Flutter Communication through Method Channels <u>VueJS</u> Component-based architecture, Vue Router for seamless navigation in applications, Implementation of Vue.js animations and transitions, Integration of RESTful API calls using Axios
Libraries	Sqlite, Flutter Screenutil, Razorpay, 100ms Live Video Infrastructure, File Picker, Carousel Slider, Local Auth, Path Provider, Map launcher, Mobile scanner, Cached Network Image, Number Captcha, Easy localization, Retrofit, Http, Dio, Flutter In-app Webview, Amplify, Agora SDK, Agora RTC engine, MMI, MobX
Platforms	Android Studio, VS Code, Postman, Figma, Adobe XD, Slack, Skype, Firebase Console, JIRA, Asana, Trello, Crashlytics, Sentry, Youtrack, Sanity.

Experience

Techouts/ Team Lead

MAY 2024 - Currently Working

Working at Techouts for the client Tata Digital, contributing to the development of the Tata Neu app,

Tata Neu: Tata Neu is an app designed to offer customers an extensive yet highly personalised shopping experience.

- Focused on maintaining code quality and scalability by conducting code reviews for every pull request and actively mentoring team members through constructive feedback during the review process
- Worked closely with Croma and MMI(Mappls map of india) teams.
- Contributed to designing interactive map features, such as custom markers and dynamic store information overlays, enhancing the shopping journey for users.
- Collaborated closely with the Solution Architect to evaluate and select the appropriate technologies, code approaches, and solutions to optimize application performance and maintainability.
- Solved multiple app flow issues, ensuring a smoother and more intuitive navigation experience for end-users.
- Facilitated cross-team collaboration and communication to align dependencies, address critical bugs, and ensure the timely integration of deliverables and app releases.
- Contributed to documentation for key modules, ensuring clarity and easier handover for future development.
- Removed obstacles and impediments to help the team stay focused and maintain productivity.

EatOS: EatOS is an under development AI-enabled restaurant technology ecosystem built exclusively for restaurants to help manage and serve customers better and simplify restaurant operations.

- Resolved bugs that had been unresolved for an extended period of time.
- Addressed issues related to memory leaks.
- Segmented the app into modules for more efficient management.
- Used confluence for documentation and JIRA for task management.
- Implemented updates and released them on the Play Store and App Store.
- Provided task time and story point estimations
- Worked as a dev lead in a team of 5 flutter developers

myMTN NG: myMTN NG is an app that gives MTN Nigeria Customers and non-Customers access to a rich bouquet of MTN Products & Services.

- Worked on user module with 6 team members and implemented google authentication for sign-in/sign-up functionality
- Worked with native and web devs to implement JS bridge through method channels
- Implemented API's for recharge recommendation and transaction history
- Reviewed code as OIC during team lead unavailability
- Followed Agile driven work process and worked within a 2 week sprint
- Utilized JIRA and on-premise Git server for version controlling
- Maintaining monthly SP throughput for KPIs by proper sprint planning

Calidig Solutions / Flutter Developer

DEC 2021 - NOV 2023

Fretello Guitar Lessons: TrueFire is an online guitar learning app, with a library of 40,000+ guitar courses covering all levels, techniques, and other guitar styles.

- Integrated javascript based web player in flutter web-view
- Implemented Flutter's extensive plugin ecosystem to integrate essential functionalities like audio playback, video streaming, and in-app purchases, enhancing the app's capabilities.
- Created custom UI
- Integrated a comprehensive search functionality, allowing users to easily discover courses, lessons, and instructors based on keywords, genres, and tags
- Implemented in-app search functionality to search through course recommendations based on user preferences, skill level, and learning goals.
- Collaborated with a team of six developers to deliver project milestones
- Used bitbucket for version controlling

Kaafe: Kaafe is a Multi-Merchant Platform. Users can make Hotel Booking, Hospital appointments, Groceries delivery, Car rental.

- RESTful APIs, Payment Gateways, and Multipart uploads Implementation
- Created and added VueJS page for payment gateway
- In-app Chat, Referral options and Account switching options within the application for family and friends, and the user can share his/her part of profit with other accounts.
- Local auth functionalities to access Fingerprint (Biometrics) scanning for Android users & Face scanning for IOS users.
- Responsive UI for Android/IOS Mobile, Tablet/IPad and created custom screens and animations for visually appealing user interfaces.
- Proximity functionalities to reset the Session-Timeout Timer.
- Version Controlling and Branch Management using Git.

AbCopilot: Abcopilot is a service station app.

- Live updation of work done on car
- Managed SQL database for all API responses and ZIP file creation of DB file
- A proper Database structure with tables & rows, that can be applicable to backend
- API & analytics SDK integration
- Retrofit to manage API calls
- Used git for version controlling
- Utilized Jira for streamlined task management and progress tracking

On-Demand: Through the app, you can book services - from beauty & wellness, clinic appointments, to home repairs & maintenance, such as AC servicing, electrician, plumber & carpenter.

- UI to accommodate two different user types - Consumer & Provider
- Location based services all over india
- Riverpod state management to update the state
- API & analytics SDK integration

- Push notification service using FCM and reminder for appointments
- Biometric authentication (Fingerprint for android devices/Facelock for ios devices)
- Code collaboration using GitLab
- Conducted code reviews
- Used Trello for efficient task organization and team collaboration

ICH (Intelligent Cranium Helmets): Flutter application that connects with the helmet over BLE and syncs temperature, stress level, battery level and other sensor data.

- Amazon Amplify for user authentication and Agora SDK for chat, video call and voice call services
- Used google maps for location services
- GetX state management to update the state
- Capturing video from helmet's camera and saving video to local storage
- Emergency fall detection and calling emergency number
- Created T&C and privacy policy page using VueJS
- Dark mode and light mode according to user preference
- Code collaboration using GitLab and Conducted code reviews

SafeXplore, Inc. / Flutter Developer

AUG 2019 - DEC 2021 - JAGADHRI, HARYANA

UHunger: By using UHunger, Users can order food online, Avail great offers, Check food reviews.

- Maps implementation
- Dynamic list views and expansion Tiles with custom functionalities
- Developed an Android application using Dart and tested the application on multiple devices/emulators before pushing to internal test tracks.
- Version Controlling and Branch Management using Git.
- Worked with development, testing, and deployment phases.
- Admin Panel made with VueJS.

CurAster: By using CurAster, Users can have instant consultation with Doctors and can get the prescription as well while having a video call.

- 100ms Live Video Infrastructure, background call intialization and PIP view for video conferencing
- Management of patient's record and creating PDF document of Patient's record
- Coordinate with team members to create client apps in a coordinated and timely manner
- Solved Memory leak issues.
- Implementation of Payment gateway
- Digital signature

Certifications

The Complete Dart Language Guide for Beginners and Beyond

Udemy - ONLINE

A complete guide to Dart Programming Language

Flutter and Dart - The Complete Guide

Udemy - ONLINE

A Complete Guide to the Flutter SDK & Flutter Framework for building native iOS and Android apps.

The Complete Flutter Development Bootcamp with Dart

Udemy - ONLINE

Officially created course in collaboration with the Google Flutter team.

Education

D.A.V COLLEGE

B.C.A (2018 - YAMUNANAGAR)

HINDU SENIOR SECONDARY SCHOOL

12TH (2015, YAMUNANAGAR)