Yash Makan



* Yash Makan is an experienced **Full Stack App Developer**. Knowledgeable in the **user interface**, **testing**, and **debugging processes** and can **translate designs** to clean structured code.
* **4+ years** of experience in **Software Development** and **3+ years** of experience in the field of **flutter development**.
* **Technical writer** with more than **150,000+ reads in 2022** and **Tech YouTuber** with more than **25,000+ views in 2022**.
* Completed **15+ personal projects** and **10+ contract projects** with national & international clients.
* Familiarity with inbuilt backend technologies like **Firebase** and implementing custom backend with **REST API, web sockets, admin panel, realtime-database integration**, and **authentication.**

**TECHNICAL SKILLS SUMMARY**

Programming Languages : **Dart, Python, JavaScript, C**

Other Technologies/Frameworks : **Flutter, Flask, Django, Rest API, Selenium,**

**Automation, WebScraping, HTML, CSS,**

**Bootstrap, React, WebView, GCP, web3**

Databases: **Firebase, MongoDB, SQL, Appwrite**

Softwares: **VsCode, Android Studio, Postman, Figma**

**EXPERIENCE HISTORY**

**Senior Flutter Developer - Contract Job**

**GenioPay Pvt Ltd, London**

**July 2022 – Oct 2022**

GenioPay as a unified platform drastically undercuts the incumbents by allowing customers to save huge on transfers in 70 currencies, and real-time exchange rates. They help retail customers and businesses accept payments and send payouts globally in one unified platform.

**Full Stack Engineer, Electix Automation - Contract Job**

**Tamil Nadu, India**

**July 2022 – Oct 2022**.

Electric Automation provides software-related services to overseas companies in the field of app development, web development, and Kiosk machines. Their clients are from India, Dubai, and South Africa.

**Senior Flutter Developer, NowApps Technologies Pvt ltd - Full Time**

**Bangalore, Karnataka, India**

**Nov 2021 – Jul 2022**

NowApps Technologies is a service-based company which provides software-related services like web development and app development. The company has collaborated with other service-based companies like Asian Paints, IFB, Tata, Aashirvad, and Channelkonnect.

**Flutter Developer, Dhan Info Pvt ltd - Full Time**

**Jaipur, Rajasthan, India**

**Aug 2020 – May 2021**

Dhan Info is an agency which provides software development services to other companies majorly in fields like app development & web development.

**Flutter Developer Intern, Believable - Internship**

**Remote**

**Apr 2020 – Jun 2020**

**PROJECT SUMMARY**

**(1) Music Listening Application & Video Streaming**

Client : Personal Portfolio Project

Role : Senior Flutter Developer

Period : Dec 2021 – Mar 2022

Team members : 1

**Environment:** Android Studio, VsCode, GCP, Postman, Figma, Notion, Windows 10

**The Application:**

The project is developing a music streaming application similar to Spotify with features like **user authentication**, **music recommendation** based on user taste, **music search**, auto weekly **generating a playlist**, **video streaming** with YouTube API, and **time-synced lyrics**. Used **multiple third-party APIs** like Spotify, genius.com, shazam, and youtube and also used **web scraping** with automation bots.

**Technology Used:** Flutter, dart, python, flask, firebase, HTML, CSS, javascript

**Role:**

* Involved in designing the **UI/UX** of the applications.
* Developed the **complete backend** of the application **using Flask** framework in **Python**.
* **Translated Figma** designs to flutter screens.
* Integrated the **database** & backend **REST APIs** with the App.
* Maintain the app performance by using **MVC architecture** and Provider for the **state management**.

**(2) Realtime Money Transfer Fintech Application**

Client : GenioPay Pvt Ltd, London

Role : Senior Flutter Developer

Period : July 2022 – Oct 2022

Team members : 3

**Environment:** Android Studio, VsCode, Postman, Figma, Notion, Windows 10

**The Application:**

The project is developing a real-time **fintech-based cross-platform** application with features like **authentication**, user profile, business profile, **payment gateway**, **real-time currency** change, wallet creation in multiple currencies, **international payment transfer** using mobile number/email address, balance sheet generator, and **virtual payment card generation**.

**Technology Used:** Flutter, dart, HTML, CSS, javascript, firebase

**Role:**

* Involved in designing the **UI/UX** of the applications.
* Developed the **complete app** using flutter/dart.
* Translated **Figma designs** to flutter screens.
* Integrated the **database** & backend **REST APIs** with the App.
* Add features like **WebSockets, push notifications, and payment gateways**.

**(3) Image Coloring Generator Game - Computer Vision**

Client : SuperRare, YouTuber (500k subs)

Role : Senior Flutter Developer

Period : May 2022 – June 2022

Team members : 1

**Environment:** Android Studio, VsCode, Postman, Figma, Notion, Windows 10

**The Application:**

The project is developing a colour book application game with the **admin panel**. The admin can upload characters as images and the python script will use **computer vision** to detect contours and convert the image into an SVG image. These metadata & images will be uploaded to **firebase**. The flutter application will render the characters in form of levels and the user can play the colour book levels generated by the admin panel in real-time.

**Technology Used:** Flutter, dart, python, flask, firebase, HTML, CSS, javascript

**Role:**

* Involved in designing the **UI/UX** of the applications.
* Developed the **complete backend** of the application **using Flask** framework in **Python**.
* Develop the **computer vision algorithm** to convert the image into SVG by detecting the contours of the image.
* Designed the **website/admin panel** with the help of HTML, CSS, JS, Flask & Python
* **Translated Figma** designs to flutter screens.
* Added **animations** with **playing sound** on button click in the game.
* Integrated the **database** & backend **REST APIs** with the App.
* Maintain the app performance by using **MVC architecture** and Provider for the **state management**.

**(4) Sea Navigation App**

Client : Electix Automation Pvt Ltd

Role : Senior Flutter Developer

Period : July 2022 – Oct 2022

Team members : 1

**Environment:** Android Studio, VsCode, Postman, Figma, Notion, Windows 10

**The Application:**

The project is developing a sea navigation application in flutter. The app renders a map on the screens and adds the overlay of the wind speed and wind direction. The app works completely offline and whenever internet connectivity is there, the app automatically calls the API to fetch more data. The app also shows any alerts nearby with the help of geolocation and if the ship is nearby the alert, it automatically alerts the user.

**Technology Used:** Flutter, dart, HTML, CSS, javascript, leaflet js

**Role:**

* Involved in designing the **UI/UX** of the applications.
* **Translated designs** to flutter screens.
* Integrated the **database** & backend **REST APIs** with the App.
* Used **Leaflet JS** to show offline maps with the help of tiling.
* **Integrated WebView** in the app using inappwebview.
* Maintain the app performance by using **MVC architecture** and Provider for the **state management**.

**(5) ZiVi - Complete Browser Built using Flutter**

Client : Personal Portfolio Project

Role : Senior Flutter Developer

Period : May 2021 – July 2021

Team members : 1

**Environment:** Android Studio, VsCode, Postman, Figma, Notion, Windows 10

**The Application:**

The project is developing a complete browser experience with the help of webviews in flutter. The app supports features like a news feed, search URL or any search engine, set default search engine, bookmark website to the homepage, open multiple websites and switch between tabs from the top right corner, and mini video player in websites like youtube.

**Technology Used:** Flutter, dart, HTML, CSS, javascript, WebView

**Role:**

* Involved in designing the **UI/UX** of the applications.
* **Translated designs** to flutter screens.
* Integrated the **database** & backend **REST APIs** with the App.
* **Integrated WebView** in the app using inappwebview.
* Maintain the app performance by using **MVC architecture** and Provider for the **state management**.

**(6) ChannelKonnect**

Client : NowApps Technologies Pvt Ltd, Bangalore

Role : Senior Flutter Developer

Period : Nov 2021 – Jul 2022

Team members : 3

**Environment:** Android Studio, VsCode, Postman, Figma, Notion, Windows 10

**The Application:**

Channelkonnect is an end-to-end solution for organisations looking to collaborate with their eco-system. It integrates with any existing business software and automates the transactional data flow at all levels of the supply chain without any compromise on data integrity. Its analytical engine allows for real-time decision making giving organisations the competitive edge needed.

**Technology Used:** Flutter & dart

**Role:**

* Involved in designing the **UI/UX** of the applications.
* Integrated the backend **REST APIs** with the App.
* Integrated the **SQLite database** of the app.
* Add features like **offline mode** so that the app works without connectivity and then place orders whenever the internet is available.

**(7) Salubre - Food Recognition App using Camera**

Client : Personal Portfolio Project

Role : Senior Flutter Developer

Period : Aug 2021 – Oct 2021

Team members : 1

**Environment:** Android Studio, VsCode, Postman, Figma, Notion, Windows 10

**The Application:**

The project is developing an application which can automatically scan any food item with the help of a camera and it automatically returns back the nutritional data related to the food item and the recipes that can be made with it. The app also uses web scraping to fetch the trending dishes in the country.

**Technology Used:** Flutter, dart, HTML, CSS, javascript, python, flask, selenium

**Role:**

* Involved in designing the **UI/UX** of the applications.
* Integrated the backend **REST APIs** with the App.
* Added the **camera plugin** in the app.
* Developing the **backend algorithm** to detect the food using python API.
* Used **web scraping** to fetch data in the app.

**(8) Realtime Messaging Application**

Client : Personal Portfolio Project

Role : Senior Flutter Developer

Period : Apr 2022 – Till Now

Team members : 1

**Environment:** Android Studio, VsCode, Postman, Figma, Notion, Windows 10

**The Application:**

The project is developing a **WhatsApp clone** application which supports features like **real-time messaging**, **audio calling**, **video chatting**, saving new **contacts** and sending messages in audio, video, gif, contact, location etc. The app uses **WebRTC** and **socket io** technology for video/audio calling and real-time messaging. The backend is connected with the **MongoDB** database to store the messages in **AES** encryption.

**Technology Used:** Flutter, dart, HTML, CSS, javascript, python, flask, SocketIO, WebRTC, AES, MongoDB

**Role:**

* Involved in designing the **UI/UX** of the applications.
* Integrated the **database** & backend **REST APIs** with the App.
* Developing the **WebRTC connection** in flutter application for video and audio calling.
* **AES encryption** while sending data to the backend.
* Integrated **push notification** using firebase FCM.
* **Translated Figma** designs to flutter screens.
* Maintain the app performance by using **MVC architecture** and Provider for the **state management**.

**FLUTTER FEATURES:**

###### Translate any complex and beautiful design from Figma or Adobe XD to flutter code

###### Animations in flutter and with the help of Rive and Lottie. Also can create custom widgets using CustomPainter.

###### WebView and two-way communication with flutter and javascript

###### State Management - Provider

###### Modular Programming, dividing the complete project in a structured way and using comments to make the code readable for other developers

###### Firebase and GCP(Google Cloud Platform) APIs integration

###### Payment Integration SDK with stripe, google pay, and apple pay.

###### Familiarity with OOP & Asynchronous and concepts.

**EDUCATION:**

###### DAV Public School (12th) – 80.6%

###### DAV Public School (10th) – 91%

**Languages:**

English Hindi

**Contact:**

###### Website – <https://yashmakan.co.in/>

###### Linkedin – <https://www.linkedin.com/in/yashmakan/>

###### GitHub – <https://github.com/YashMakan>

###### Blog – <https://dev.to/yash_makan>

###### YouTube – <https://www.youtube.com/c/YashMakan>

###### Email – [yashmakan.work@gmail.com](mailto:yashmakan.work@gmail.com)