

Contact

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Top Skills

Android Development

Bluetooth Low Energy

Internet of Things

POS Apps

Languages

English (Full Professional)

Hindi (Full Professional)

Gujarati (Native or Bilingual)

Sanskrit (Limited Working)

Honors-Awards

Winner at Final Year Project Fair during Engineering.

Won 1st Position in Quiz Competition

Yagna Joshi

Android Developer

Ahmedabad, Gujarat, India

Summary

- 5+ years of exp. with Android (Java, Kotlin, Ionic)
- IoT with BLE (Bluetooth APIs) communications
- MQTT based remote Communication
- Android Jetpack
- Proficient with common Android framework APIs (Email, Web View, Google Maps, Telephony API, Camera, Contact Manager) and developing Android Framework Service -using Intent, Services, and AIDL
- Built Apps for custom Android POSs devices like PAX & Wepoy.
- Raspberry PI
- Chat bot using Dialogflow
- Android-Things development
- OTG ports
- Experience of Building and compiling and signing the application for deployment on Play Store Google & AppStore as needed.
- Crashlytics and Analytics tools
- Designing the responsive UI
- Web Services, JSON & XML Parsing.
- SQLite and realm.
- Experienced in working in an AGILE based development environment and participating in Scrum sessions & knowledge various Task Management Tool.
- Good analytical & bug fixing skills
- Quick & self-learner,
- Works well in the team environment and Self-motivated.

Experience

Freelancer

June 2019 - Present (2 years)

Ahmedabad, Gujarat, India

XDuce Inc.

Full Stack Developer

June 2018 - June 2019 (1 year)

Ahmedabad, Gujarat, India

Calica Infosoft (Later merged with XDuce Inc.)

Android Developer

May 2016 - May 2018 (2 years)

Ahmedabad, Gujarat, India

Education

G.H.PATEL COLLEGE OF ENGG. & TECH. , V. V. NAGAR 011

Engineer's Degree, Information Technology · (2010 - 2014)

Tattvajnana Vidhyapeeth, Thane, Mumbai

Aryavritta, Comparative study of Indian and Western

Philosophy · (2014 - 2016)

Shri Vividhlaxi Vidyamandir, Palanpur

Under Graguate, Mathematics ,Physics ,chemistry · (2007 - 2010)

Shree K K Gothi High Swastik School, Palanpur

Higher Secondary School · (2005 - 2007)

Sant Shree Rajaram Gurukul, Palanpur

Primary Schooling · (2004 - 2005)

IoT PROJECTS:

17) [Autoworld](#) (BLE + IoT App, Racing toys)

June 2021 – Present

- Developed App for handling race event. It collects the race statistics from toys through BLE.

16) [sAQM100](#) (BLE + IoT App, Environment)

Nov 2020 – Dec 2020

- Developed App for Mobiveil's sAQM100™ Device. Device contains multiple sensor which measures pollutants in the Environment like SO₂, CO, NO₂. App receives the Data from Device via Bluetooth Low Energy, displays it using Charts and Bars. App also maintains the History of connected device and its data.

15) [My Strack](#) (BLE + IoT App, Healthcare)

Oct 2019 – Present

- I have developed a whole Android App and also maintaining it. The Combination of the Strack App and the Device is simple and effective smart posture correctors and the trainer. It will change the way you live. the device attaches to your back and coaches you into perfect posture easily and effectively. By using the App user can analyze his/her daily posture data and can improve the posture.
- Challenging part in the Project is **DFU (Device Firmware Update)**

14) [BLE Remote For Racing Toy-Car](#) (BLE + IoT App, Toy)

March 2020 – March 2020

- Client wants to control a toy car using BLE App. I developed a App for that in a week. Client was not able to send hardware then also I had developed a app without hardware. It was a nice tiny project. Click on the Title for reference video of the testing.

13) [M.I.T.R.A. \(My Intelligent Talkative Responsible Assistant\)](#)

(Alexa type Assistant App, Artificial Intelligence + MQTT base IoT App, Home Automation)

Mar 2020 – Present

- Android AI Application in the form of Chatbot.
Inspired from JARVIS (Ironman)
- Used a Dialogflow service
This app will talk with you like Ok Google, Alexa & Siri
Respond user's commands (e.g. give me weather info, Dial/SMS to Sam, Show images Modi, -Who was Gandhi? Latest news... etc..)
- Also integrated with home-lights. Click on the Title for reference video of the testing by my colleague.

12) [TDI Tuning](#) (BLE + IoT App, Automobile)

Oct 2018 – Present

- With the TDI Tuning App, you can decide directly from your driver's seat. Connect to your Bluetooth TDI-Tuning system to instantly change the performance of your engine and adapt your vehicle to suit any situation.

Ref. Videos:

- 1) <https://youtu.be/wJ8nBdxptk0>
- 2) <https://youtu.be/J6D3OXYLjZ4>

11) [Dispenser](#) (OTG Port + IoT, Automatic vending machine)

Dec 2019 – Dec 2019

- The dispenser is an Android App. It was for inhouse use, not pushed live for public. IOT – OTG based POS App for Automatic flavored Ice crème and Coffee Vending Machine

10) [Automation with IBM IOT Cloud](#) (MQTT base IoT App, Home Automation)

May 2018 – May 2018

- Automation with IBM IoT Cloud using IOT-Android (Mobile), Raspberry Pi (Microcontroller) & Angular 5 (Web)
- Made a project for learning Home & Industrial automation.
- Operate any no. of devices from anywhere around the world using the internet.
- Used IBM Watson IOT cloud and MQTT protocol

9) [CEEL \(Smart Wallet App, Touch Wallet App, Biometric Wallet App\)](#) (BLE + IoT App)

Aug 2017 – Nov 2017

- CEEL (Smart Wallet App, Touch Wallet App, Biometric Wallet App)
- Android IoT App.
- Touch Wallet has a touch screen to enter a password. And App manages the passwords management via BLE. Biometric Wallet has fingerprint Management. This device is also GPS enabled so the App can track the lost wallet via GPS location tracker using App

8) [Kepler 17](#)(BLE + IoT App, Biomedical)

May 2017 – Jun 2017

- My first project Internet Of Things. Based on BLE(Bluetooth Low Energy) Technology. Used raspberry pi 3. Made an android application to operate the device via BLE Technology. Small but Challenging project.

POS' PROJECTS (CUSTOMIZED ANDROID DEVICES):

7) Petra/UNITI POS App (Ecommerce POS App for personal use)

Nov 2018 – Feb 2019

- Android POS App for PAX A920 POS Machine. It was for inhouse use, not pushed live
- Admin can add cashiers, products, Discounts and all.
- The cashier can make the transaction and sell the product to the customer.
The app is enabled with a reward point system.
Print the voucher in Pax A920 thermal printer.

6) Premier Tax Free – PTF (Ecommerce POS App for personal use)

Feb 2018 – Jul 2018

- It is for inhouse use, not published live for public use.
- Android App Custom Android Device (Wepoy TR120 and PAX A920)
The App is about refund the VAT amount to PTF registered tourist-customer at PTF registered store. The App detects QRCode & Credit Card swipes. Also prints the voucher using device inbuilt Thermal Printer. The app will be used by the storekeeper.
The App Bounds the Android device to run only a dedicated app, no other app will run or no way to escape from the app except admin's password.
- OCR reader - One of the Featured Video:
Ref for credit card reader : https://youtu.be/Mm-Qw_elm5o

OTHER PROJECTS:

5) E-Butler (Ecommerce App, All Type Service provider)

April 2020 – April 2021

- I am maintaining an existing Android App. One App for any kind of service you need with the tap of a button. Find only trusted and reliable service providers for any service you can think of, covering every aspect of your life, including your home, car, health, beauty, lifestyle, pets, sports etc.

4) TwI Bible (eBook Reader App)

Feb 2020 – Apr 2020

- Bible eBook reader with Audio support
- With Chapter-wise Audio available in streaming

- Take Notes offline, Highlight or Underline words & entire verses, Bookmark Verses, Add Margin Notes, Full-Screen Immersive Mode by a simple double-tap, Folders to organize your notes & bookmarks etc.

3) **First Farmer** (Utility and News App, For Farmers)

Oct 2019 – Oct 2019

- First Farmer is the Best among all Agriculture apps in India in English, Gujarati, and Hindi which has been specifically designed for Indian farmers. It aims to assist them in their journey towards better and innovative farming while boosting their incomes. The app also gives inspirational stories of successful farmers in India. App also shows prices for a crop in nearby mandis for comparison purposes. Our app also gives Agriculture news, New Technology, Health tips, impotent websites Etc.

2) **Videnda - Science News & Tips** (News App, Science)

Oct 2018 – Dec 2018

- Android App for the News of the science world.
Ref. Link: <https://www.youtube.com/watch?v=bMBacYI3QsU>

1) **Khelo Jiyo** (Player and Scorecard Mgmt. App , Sports)

- Score Management App for Coaches and Player. Coach can make the Team and Add the Player to the Team. Add Edit the score of Player and the team. Player can build his sports portfolio in his account. Get updates of upcoming event