



Varun Mukund Kudalkar



Development Profile



Mobile App Developer



varun.kudalkar@gmail.com



[+91 7588364088](tel:+917588364088)



Pune, Maharashtra, India 411038,
Sangli, Maharashtra, India 416416



ABOUT ME

1. Software Developer with **9+ years** of experience in **Full Stack Engineering** i.e. **Mobile App Development Full Stack, iOS, Android, Flutter, Node, IoT**.
2. I am a **process-oriented** person and follow business **ethics** strictly.
3. Possess extraordinary **qualities** like **self-discipline, punctuality, transparency**, and good **communication** skills.
4. I like to **develop** foolproof **processes** for increasing the company's overall **growth**.
5. I am **open** to adapting to **constructive** changes and challenges.
6. I see myself as a **good leader**, for a **reason**; I **create** leaders.
7. I am a **creative** person, who tries to bring **creativity** in all **dimensions** of living life.



GRADUATION

Completed **Engineering Degree** from Shivaji University (Kolhapur) in **Computer Science and Engineering** with First class and Distinction.



SHORT PROFESSIONAL SUMMARY

Started my career with basic programming knowledge and joined a **mobile app development company** as an **iOS developer**, gained experience in the mobile application development process. Later on, I got an opportunity to work in a product-based company that's into **IoT, Camera, and Security-based solutions** in the USA. After resigning, I **founded two startups**, one in software development and another in software training solutions. Meanwhile, I worked on some products and provided some services, and earned excellent experience in the corporate world. Unfortunately, the **pandemic hit us very hard**, and we had to **shut down all the operations** in both startups.

I am currently working as a **freelance software consultant** and a **corporate trainer**. I recently worked with an **Edtech software company in Jakarta, Indonesia**, as a freelance software consultant, And worked on a contract with **Cummins Pune** on an IoT project, Providing consultation to Kanaad Electromotion Solutions Pvt. Ltd. Furthermore, I have **completed 10+ corporate trainings** on mobile app development and basic programming languages.



TECHNOLOGY STACK

1. **Languages:** Swift, Objective C, Kotlin, Dart, C, C++, Embedded C, Python, Java, JavaScript, TypeScript.
2. **Frameworks:** iOS, Android, Flutter, NodeJS, NestJS, Vertx, Flask, Django, Darknet, TensorFlow, ThingWorx IoT, etc.
3. **Databases:** SQLite, MySql, MongoDB
4. **Security:** Spring Security, JWT, OAuth2, OpenSSL, and OpenID Connect
5. **Cloud:** AWS Ec2, Firebase, Beanstalk, CodePipeline, etc.



TOOLS

1. **Project Management:** Jira, Trello
2. **Version Control:** Github, Bitbucket and Gitlab
3. **Bug Tracking:** Jira, Redmine, etc.
4. **IDE:** VsCode, XCode, Android Studio, IntelliJ Idea, PyCharm, etc.
5. **Load Testing:** JMeter



WORK EXPERIENCE

Freelance Software Consultant	Self Employed	2020 - Present	Remote
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- Worked as a software consultant with Cummins India Private Limited Pune.
Working on a C++ project, adding encryption and decryption logic to the existing windows based application.
- Providing software consultation to Kanaad Electromotion Solutions Pvt. Ltd.
Helping them in the mobile application development part, their main client is Exide Batteries and Amaron Batteries.
- Provided software consultation to a well-funded EdTech company from Jakarta, Indonesia. Working with a team size of 40+ people from different platforms.
Worked on iOS application with swift 5, MVVM, Viper structure, RxSwift, etc.

- **Temperature Control and Monitor**

Platform: Flutter, iOS, Android, BLE, ESP32 Micro controller

Designed and Developed mobile app to communicate with the smart containers which is used to carry goods and medicines by maintaining the temperature inside and monitor for the changes, As they are not able to provide me the containers at my place I have built the simulator for testing and development purpose, this is the most successful startup in south korea and USA providing these containers in custom sizes.

- **Kanaad Battery Automation App**

Platform: Flutter, iOS, Android, BLE

This app provides a user to communicate with the battery tester hardware, which runs several tests on the battery related to the voltage, charging percentage, battery health, etc. App lists down the nearby BLE devices filtered with the desired names and then connect with the specific device using BLE, then fetches battery voltage and allows a user to start the tests. Test reports are available to print on thermal printers or email as a pdf file.

- YaGo App ([Download App - Android](#))

Platform: Flutter, iOS, Android

Made this simple mobile application for the client using the flutter framework.

With this application, you can easily send WhatsApp messages to the people from your call logs even if you have not saved their numbers.

- Mahalaxmi Calendar (2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022)

([Download App - iOS](#))

([Download App - Android](#))

Platform: Flutter, iOS - Swift, Android - Kotlin

This is very popular calendar application in the Marathi Language, I am developing and providing updates every year. This app is having over 1 million downloads.

Presently revamping old code structure and building the app using Flutter.

Full Stack Software Developer	Services Provided	2014 - 2019	Pune
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- Smart Drill Machine

Platform: Android, IoT, ESP32 Micro Controller, BLE

Worked on the communication of microcontroller and android app, used BLE for communication, and it also controls some functions of the drilling motor to make it automated, e.g controlling speed, Current, Uptime, Downtime, etc.

- Smart Home Automation

Platform: Flutter, Android, iOS, NestJS, IoT, ESP32 Micro Controller, Custom electronics circuits, Power supplies, BLE

It's an iOS and Android client app used to operate switches and other home appliances remotely. Worked on server-side code in NestJS for APIs, also worked on microcontroller code to communicate with the mobile applications using WIFI.

- **Touchless QR-based Attendance System**

Platform: Flutter, Android, iOS, Raspberry PI

This app is used to mark attendance in companies as well as in schools and colleges, using QR codes. Developed Android and iOS applications using flutter, used SQLite as a Database to make it more lightweight and Used NestJS as a backend to provide APIs. The main feature of this system is that the QR code is changed in some intervals and once scanned. It can be installed on Raspberry PI which makes it very reasonable.

- **VideoCloud** ([Download App - iOS](#))

SwannCloud ([Download App - iOS](#))

VuPoint ([Download App - iOS](#))

iON - The Home ([Download App - iOS](#))

Platform: iOS - Swift C, C++

It's a camera surveillance app, it includes - live camera view (in this app we are using FFmpeg lib to decode the live stream frames and created a custom video player to stream the live frames from IP cameras), event monitoring- push notifications for events like an intrusion, camera tamper, etc.

VideoCloud is a generic app and swannCloud, VuPoint, iON The Home, etc. are client-specific apps with different UI.

Recently created timeline UI for this application to show events on timeline scale, play videos on click of events on timeline scale feature.





CORPORATE TRAINING EXPERIENCE

- **Edoxi Training Institute Dubai UAE**
Platform: Mobile app development flutter.
Delivered training to Saudi Aramco employees on advanced mobile development using the Flutter framework. This training happened in Dubai, UAE, in collaboration with the EDOXI training institute.
- **Dell**
Platform: IoT, MQTT, Java.
Delivered training to Dell employees about the IoT and MQTT protocol using Java, It was 6 full days training program conducted virtually.
- **John Deere India Private Limited**
Platform: iOS - Objective C and Swift
I have trained the existing embedded software development team with iOS app development using Objective C and Swift.
- **Innoplexus Consulting Services Pvt Ltd**
Platform: iOS - Objective C, Python
Conducted a one-week workshop on iOS app development and Python basics to the first-year IIT trainees.
- **DLithe Consultancy services**
Platform: Flutter - Android, iOS, Mobile app development
While working with DLithe and conducted 3 batches for college students on flutter.
- **Realsoft Sangli**
Platform: C, C++, Java
Worked here as a part-time trainer and trained almost 400+ students, on basic programming concepts.



SOCIAL MEDIA

	Website	-	https://varunkudalkar.github.io
	Github	-	https://github.com/varunkudalkar
	LinkedIn	-	https://www.linkedin.com/in/varunkudalkar
	Twitter	-	https://twitter.com/varun_kudalkar
	Facebook	-	https://www.facebook.com/varunkudalkar
	Instagram	-	https://www.instagram.com/varunkudalkar

Date:

Name: Varun Kudalkar

Place: