# 👨‍💻 Varun Mukund Kudalkar

## Development Profile

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| 👦 | **Mobile App Developer** |
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## 👦 ABOUT ME

1. Software Developer with almost a decade of experience in **Full Stack Mobile App Development, iOS, Android, Flutter, Node, IoT, etc.**
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 creative, trying 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

I started my career with basic programming knowledge and joined a **mobile app development company** as an **iOS developer**, gaining experience in the mobile application development process. Later, 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, 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 Electromation Solutions Pvt. Ltd. Furthermore, I have **completed 10+ corporate trainings** on mobile app development and basic programming languages.

## 💡 TECHNOLOGY STACK

1. **Languages:** Swift, RxSwift, SwiftUI, Objective C, Kotlin, Dart, C, C++, Embedded C, Python, Java, JavaScript, TypeScript.
2. **Architectures:** MVC, MVVM, Viper, Bloc, Provider, Redux, etc.
3. **Frameworks**: iOS, Android, Flutter, NodeJS, NestJS, Vertx, Flask, Django, Darknet, TensorFlow, ThingWorx IoT, etc.
4. **Databases**: SQLite, MySql, MongoDB
5. **Security**: Spring Security, JWT, OAuth2, OpenSSL, and OpenID Connect
6. **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

| Software Consultant | Self Employed | 2020 - Present | Remote |
|---|---|---|---|

- 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.*

- I am providing software consultation to Kanaad Electromation Solutions Pvt. Ltd. *Helping them in the mobile application development part, their main clients are 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. I *worked on iOS applications with Swift 5, MVVM, Viper structure, RxSwift, etc.*

- Temperature Control and Monitor
  Platform: Flutter, iOS, Android, BLE, ESP32 Microcontroller

  Designed and Developed a mobile app to communicate with the smart containers that are used to carry goods and medicines by maintaining the temperature inside and monitoring for changes, As they are not able to provide me with 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 allows 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 connects 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

  I made this simple mobile application for the client using the Flutter framework. With this application, you can easily send WhatsApp messages to people from your call logs even if you haven't saved their numbers.

- Mahalaxmi Calendar (2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022)
  ([Download App - iOS](#)) **(150K+ downloads)**
  ([Download App - Android](#)) **(5 Million+ downloads)**
  **Platform:** Flutter, iOS - Swift, Android - Kotlin

  This is a popular calendar application in the Marathi Language, I am developing and maintaining it every year.
  Currently, I am revamping the old code structure and building the app using Flutter.

| Full Stack Software Developer | Services Provided | 2014 - 2019 | Pune |
|---|---|---|---|

- 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, and 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 PPI, 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 Employment Details:

- **IT Gurus Software -** 10th Nov 2014 to 29th Feb 2016
  **Role:** iOS application developer.
  I joined this organization as a fresher and developed many applications on the iOS platform using Objective C and Swift

- **IntelliVision Technologies Private Limited -** 2nd Mar 2016 to 13th Oct 2017
  **Role:** Mobile application developer.
  Before I joined mobile app development was outsourced, I started gaining KT from the outsourced company and leading the in-house mobile app development team.

## 👨‍🏫 CORPORATE TRAINING EXPERIENCE

- **Edoxi Training Institute Dubai UAE**
  **Platform:** Mobile app development flutter.
  I 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 the 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
  I conducted a one-week workshop on iOS app development and Python basics for the first-year IIT trainees.

- **DLithe Consultancy services**
  **Platform:** Flutter - Android, iOS, Mobile app development
  While working with DLithe I conducted 10+ batches for college students/freshers on Flutter.

- **Idea To Innovation Technology**
  **Platform:** Mobile App Development
  Trained freshers and experienced employees to work on the mobile app development, conducted full day training programs with practical sessions.

- **Realsoft Sangli**
  **Platform:** C, C++, Java
  Worked here as a part-time trainer and trained almost 400+ students, on basic programming concepts.

## 🏆 Achievements

- **Contributor to the Eclipse Vert.X open source project on github**
  https://github.com/vert-x3/vertx-eventbus-bridge-clients/graphs/contributors

  This project is opensource and developed and maintained by **Eclipse,** one of my projects I have implemented the Vertx but I got some issues while development so I resolved those errors and improved code for Vertx framework, my changes are accepted and I am contributor to this project.

- **Got an appreciation from the Emerson**

  Emerson team was facing issue in the ble communication with the react native mobile app since long, I studied the code and provided them solution and reviewed code, got goodies from the Emerson.

## 📢 SOCIAL MEDIA

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| 🌐 | Website | - | https://varunkudalkar.com |
| ⚫ | Github | - | https://github.com/varunkudalkar |
| in | LinkedIn | - | https://www.linkedin.com/in/varunkudalkar |
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Date:                                                                                 Name: Varun Kudalkar
Place: