

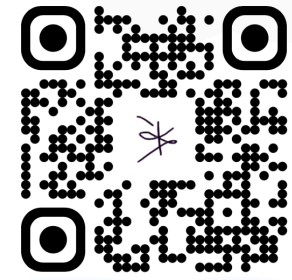
# KARTIKEYA SAXENA JAIN

## SKILLS HIGHLIGHTS - SOFTWARE AND HARDWARE

- 6 years experience
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## ABOUT ME

I'm an iOS product developer (Detroit, MI).

A maker at heart, I was awarded a patent for an Electronic lock in 2004. Then, I discovered the joys of working with Microcontrollers in 2009 and fell in love with mobile app development at an Apple hosted Hackathon in 2013. I have 6 years of industry experience working as an iOS Product Developer for Cue Health Inc. and Ford Motor Company (Top 19 of Fortune 500 company). iOS Developer for the startup Rabbit, LLC, and working as a Full-Stack Product Developer for KreyEZ, LLC.

I graduated from Rochester Inst. of Tech. (RIT) with a Master's of Science in Software Engineering & Project Management. I received my Bachelor's degree in Computer Engineering from SGSITS, India.

I love making mundane daily tasks easy and fun by combining various technologies and tools to formulate projects of smart automation that help me and my family interact more easily with daily tasks.

I'm passionate about what I do because it gives me joy to create things that didn't exist. Some of my work and code can be found on GitHub, YouTube and my blog, Coding Inferno.

Subject matter Expert & Full Stack Scalable iOS developer for reactive and async multithreaded and memory managed, networked and IoT mobile application development for apple ecosystem eg iPhone, iPad, Watch. Continuous Integration, User requirements analysis, Architecture planning. MVVM, MVVM-C, MVC, VIPER & other relevant design patterns to adhere to DRY and SOLID principles to produce reliable, reusable, and modular code with Unit and UI Tests, free of Code-Smells and Tech-debt. Framework development and documentation for translating business requirements into logic. Consuming RESTful API services and JSON. Test Driven Development (TDD) in Pair Programming and Solo Development. Multi screen size class UI Development with auto layouts using programmatic approach and storyboards and SwiftUI . Some experience with Encryption.

Languages, Tools and Principles - Swift, SwiftUI, ObjectiveC, XCode, Combine, Async, RXSwift, SnapKit, Quick and Nimble, iOS SDK, 3rd Party Framework integration using Swift Package Manager(SPM), Cocoa Pods and Carthage. Vapor, ARKit, PHP, SQL REST API JSON, Python. QC Testing, Figma, Zeppelin, Datadog, Crashlytics, TestFlight, Hockey, GitHub, Bitbucket, Source tree. Agile Development. ESP32, R-Pi, Arduino, IoT, BLE, Xbox Kinect, DJI Drones, Myo-Armband, BLE, iBeacon. Project management, Lean Six Sigma, Marketing, 3D Printing.

## EXPERIENCE

### RAMU

**JUNE 2023 - CURRENT**

I am leading development for an iOS App, Smart IoT devices and backend data stack. This has been one of my biggest undertakings and my favorite project of all times! This system brings together my multidisciplinary experience as a maker, utilizing different tools required for full stack development of an IoT virtual assistant system that is happy to take over your tasks in physical and virtual space. Ramu assists its user in many ways by providing visual dashboard and a command center to control all the connected smart devices from mobile device from anywhere on the planet using network cellular WiFi or BLE bluetooth.

### CUE HEALTH, INC.

**APRIL 2022 - JUNE 2023**

iOS Product Developer at biomedical for Cue Health App (main), & multiple Clinical Trial Apps supporting latest tech & test types for Clinical Studies on live participants. Worked closely with Chief Medical Officer, Senior Management(s), Project Managers, Product Owners, IoT Device Firmware team, API team, Android team & designers in order to test & implement cutting edge tech & features. Subject Matter Expert & Approver for FDA document submissions among others. Trained new development talent & authored & maintained multiple resource documentations.

### DXC - FORD, MOTOR COMPANY

**JAN 2018 - MAY 2020**

iOS Product Developer and tester responsible for Command and Control, Maintenance aspect of iOS apps for Ford and Lincoln vehicles through 'FordPass 2.0' and 'Lincoln Way 2.0' (Americas, Europe, Asia, China, Australia). I worked as a part of "Phone As A Key" Feature - using BLE replacing Wireless Key Fob. Ford EV Mach-E iOS app team. Additionally, trained new recruits and provided them with resources.

### RABBIT, LLC (STARTUP)

**AUG 2016 - NOV 2016**

iOS Developer - social networking app. TDD in a small team spread across various time zones in an agile environment. My primary role was the integration of video & imaging capabilities.

### KREY-EZ, LLC (STARTUP)

**DEC 2016 - PRESENT**

Full Stack product developer - involved in conception, development, testing, and deployment to the app store. More than 15,000 downloads to the apps - Olivia (previously Lumo Chroma), Aurora, and Gym Rat.

## EDUCATION

### ROCHESTER INSTITUTE OF TECHNOLOGY

**MASTERS SCIENCE 2016**

Software Engineering, Entrepreneurship, Marketing, Project Management, LeanSix Sigma, Participation in Apple Hackathon and RIT Imagine events with Parkinator (Parking Automation Project)

### SGSITS, INDIA

**BACHELOR OF ENGINEERING 2009**

Bachelors of Computer Engineering

## AWARDS AND RECOGNITION

- Ford Recognition award (June 2019) and Ford Global Technology Fair (2019)
- Patent for Electronic Locking Device - India (1259/MUM/2004) (Highschool)
- Bravery Award by Prime Minister of India (2000)
- President's Medal for Saving Lives from Fire - India (2000)

## CERTIFICATION

Extreme Programming Bootcamp - XP, Scrum, Pair Programming (2018), Ford RXSwift Bootcamp, and Test Driven Development (2018, 2019), Ford WWDC Training (2019), Ford Functional Programming Training (2019), Agile PDO Basecamps (2018-2019)