KARTIKEYA SAXENA JAIN

SKILLS HIGHLIGHTS - SOFTWARE AND HARDWARE

ⓖ 6 years experience

⚷ Auth: Green Card

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ABOUT ME

I'm an iOS product developer located in Detroit, MI, USA.

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 - IoT nature that focus on user interaction tests on a daily basis.

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 Developer on scalable iOS projects in reactive & async multithreaded environment. Memory managed, networked & IoT mobile application development for apple ecosystem and screen classes for iPhone, iPad, Watch. I adhere to DRY and SOLID principles to produce reliable, reusable, and modular code free of Code-Smells and Tech-debt. Also focus on TDD based Unit and UI tests code coverage. User requirements analysis, Architecture planning, Framework development and documentation for and consuming RESTful APIs or MQTT or format such as JSON is daily routine. Pair and Solo Development Experience. 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

AURORA   MAR 2024 - CURRENT

Aurora Core and Aurora - Lite (iOS app) are public facing products that help make key pre flight safety checks needed for a successful UAV flight mission. It is evolving as I learn more feedback and needs of Remote Pilots in Command. Check it out on Apple App Store.

RAMU   JUNE 2023 - CURRENT

Full stack product development of microcontroller based IoT virtual assistant system. Entire tech stack was developed from the scratch, using several of my technical and language skills. It is system comprised of Microcontroller core code, Web services and iOS client. Being one of my biggest and favorite undertaking of all times! Ramu assists its user in many ways by providing visual dashboard and a command center to control 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.

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)