UTKARSH MANKAD

Team Lead | R&D Engineer | Mobile and Full Stack Development

10+ years of experience in Mobile and Full Stack Application development, looking for mid-senior techno-functional roles at dynamic and rewarding product development organizations.

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⌂ github.com/utkarshmankad

WORK EXPERIENCE

Principal Technical Officer (Scientist D)
CDAC R&D

📅 Jan 2020 – Present   ⚲ Bangalore, India

- **FS Prime Project** - Leading and driving complete initiative of developing E-Learning courses in IOT.
- **NAADI (COVID 19 Tracking and Tracing) Project** - Contributed in development of multilingual Android apps for record taking by Health Workers.
- **Smart City Platform review** - Technical review of Smart City Platform of leading defense PSU Company.

Moodle | MERN Stack | Spring Boot | Swagger | Android | Java
NodeJs | MQTT | Agile | TDD

Senior Technical Officer (Scientist C)
CDAC R&D

📅 Jan 2016 – Dec 2019   ⚲ Bangalore, India

- **Smart Post Kiosk** - Developed mobile app to enable users to book registered and speed post through app and post through smart kiosk.
- **Smart Water Distribution Network** - Developed modern and intuitive web dashboard to allow users to monitor and analyze sensor data from smart water distribution network test bed.
- **Indoor and outdoor EQ Management** - Developed modern and intuitive web and mobile dashboard facilitating researchers and civic agencies to monitor and analyze various sensor parameter values for indoor and outdoor environment management .
- **Bird Call (Avian Acoustics)** - Developed mobile app to configure specialized IOT device that would enable bio diversity researchers to collect bird sounds.
- **Official Namma Metro Mobile App** - Developed official mobile app for BMRCL that helped the commuters to know latest train time tables and access info regarding BMRCL services.

Kotlin | Java | Dart, Flutter | Android | MEAN Stack | NodeJs
React | Angular | Micro-services | REST API | Agile | Scrum
TDD

Technical Officer (Scientist B)
CDAC R&D

📅 Jan 2012 – Dec 2015   ⚲ Bangalore, India

- **Augmented Reality Products for E-Learning** - AR mobile apps to be used along with E-Learning tools..
- Enabling educators to create AR E-Learning content through web based authoring tool.
- Enabled AR App developers to make simple AR apps through AR App development library made in Java.

Android | Java | AR/VR | NodeJs | MongoDB | Agile | Scrum

SKILLS

Programming Languages
- C/C++, Java, Kotlin, Dart, HTML, CSS, JavaScript, Typescript, Sass.

Mobile
- **Android** - Room, Retrofit, Dagger, Hilt, Rx Java, MVC, MVP, MVVM, Clean Architecture.
- **Flutter**

Software (Back-end)
- **DevOps** - Docker
- **Full stack** - NodeJs, Express, MongoDB, Mongoose, REST API
- **Java Full stack** - Spring, Spring-Boot, Spring REST, Hibernate, REST API
- **Front-end** - Angular, React+Redux

Internet Of Things
- MQTT Protocol, MQTT broker setup, Mesh Network Design.
- Familiar with basic embedded systems concepts.
- AWS IOT and Microsoft Azure IOT setup.

Project Management and Soft Skills
- Knowledge of Agile methodologies using Scrum and Kanban and JIRA tool.
- Technical documentation writing.
- Project proposal writing, supervision and monitoring.

EDUCATION

M Tech in Software Systems
BITS Pilani

📅 2017 – 2019   ⚲ WI LP

OTHER INTERESTS

Technical Training Instructor
Open Source Contribution
E-Learning Content Creation
Technical Event Organizing
Project guidance and mentoring

DECLARATION

I hereby declare that, the information mentioned above is correct and true to the best of my knowledge and belief.