

# Shritesh Jamulkar

Passionate Developer

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## Work Experience

### Samsung Research & Development Institute, Bangalore

Software Engineer

Bangalore, Karnataka

07/2021 - 07/2022

- LTE System Manager (LSM) Project - In Management Software & Analytics Team
  - Worked as a Full-Stack Developer in JAVA Spring based LSM project, specifically in FM (Fault Module).
  - Contributed to python selenium based automation testing for the entire Element Management System (EMS) software.

### The Linux Foundations

Hyperledger Mentorship Program 2021 - Mentee

06/2021 - 12/2021

- Hyperledger - Implement cross chain contract invocation using ServiceMesh way
  - Implemented cross chain contract interoperability between Hyperledger Fabric and Hyperledger Besu in the 'ServiceMesh' way.

### Zenith Techware

iOS Developer

Raipur, Chhattisgarh

04/2019 - 02/2021

- PetBro Business iOS Application
  - Made a complete PetBro Business iOS application from scratch.
  - Complete Application is built on MVVM Architecture with RxSwift support.
  - Used RxMoya as a Network Abstraction Layer and RxNuxe for image caching and displaying.

### Allsoft.co

Software Developer Intern

Raipur, Chhattisgarh

07/2019 - 09/2019

- GFI Auction
  - Worked on GFI Auction project based on Angular Frontend framework.
  - Integrated NgRx Store to provide reactive state management.

## Research Works

### Aztec Protocol based Smart Contract Data Feed Model for Blockchain Oracles

02/2021 - 05/2021

Guide: Dr. Preeti Chandrakar (Assistant Professor)

- Proposed a secure methodology to feed trustworthy data into the smart contracts from blockchain oracles using AZTEC protocol.

### Blockchain-Based Digital Evidence Management System

07/2020 - 12/2020

Guide: Dr. Preeti Chandrakar (Assistant Professor)

- Proposed a digital evidence management system for legal cases to store digital evidence in Hyperledger Sawtooth using IPFS in PBFT consensus mechanism.

### Echo Based Real-time Attendance System

08/2020 - 12/2020

Guide: Dr. Jairam Naik (Assistant Professor)

- Made an Echo based attendance system using Quiet Modem Project to take attendance of all the available listeners in one-shot.

## Education & Cerifications

### Masters of Science, Trinity College Dublin

Computer Science - Future Networked Systems

09/2022 - Present

### Bachelor of Technology, NIT Raipur

Computer Science and Engineering

Cumulative Performance Index: 7.68/10

Final Semester's Performance Index: 9.27/10

08/2017 - 05/2021

### Sri Shankra Vidyalaya(HSC)

Intermediate \+2

Percentage: 80%

04/2015 - 04/2017

- **Associate Android Developer** - Google Developers
- **Classical Cryptosystems and Core Concepts** - Coursera

## Key Projects

### Airport-Licensing DAPP

A dApp for creating and managing Aerodrome Licensing using Hyperledger Fabric.

### dEmergency

A decentralized SOS triggering service for medical emergencies.

### Open Journal

A decentralized platform for researchers to publish their work with fellow researchers and also review works of other researchers to ensure trust and transparency between all the researchers.

### dOrgans

A blockchain based dApp in which if a person needs an organ he can register on the platform and wait until a cadaver organ(organ from a person who is dead and willing to donate his organs) is available, all this data will be stored on ethereum based smart contract so that this sensitive information is tamper proof.

### Smart Elections

Elections Based on Decentralised Ethereum Blockchain Network.

### Lua Parser + Interpreter

A Lua Parser + Interpreter using LPegLabel with an error recovery mechanism.

### HideKeyboardWhenTappedAround(iOS)

A small Swift Library for hiding keyboard when the user tapped anywhere in UIViewController.

### CG Tourism App

A Cross-Platform application for Chhattisgarh Tourism Board built using React-Native.

## Open Source Contributions

- **Open Food Facts Organisation** - Open-Food-Facts Android Application
- **AnitaB Organisation** - Mentorship Android Application
- **ScoreLab Organisation** - Massa - Mobile Accessible Social Sharing Agent

## Interests

- Blockchain Technology
- Parsers and Parser Technologies
- Reactive(Rx) Programming

## Technical Skills

### Programming Languages:

Proficient in Java, Swift, Javascript/Typescript.

Familiar with C/C++, Python, Kotlin, C#, SQL, Bash, Solidity, Ruby, Lua, Rust.

### Web Technologies:

HTML/CSS/SCSS, Nodejs(MERN & MEAN Stack), Django/Flask, GraphQL/REST, React (Redux/Mobx) /Angular (NgRx)

### Mobile Technologies:

Native iOS(Swift)/Android(Java/Kotlin), React-Native(Cross-Platform), Flutter(Cross-Platform)

### Blockchain Technologies, Cloud/Deployment Platforms, and Others:

Ethereum Solidity, Hyperledger Fabric / Sawtooth / Sawtooth-Seth / Burrow, GCP, AWS, IBM Cloud Platform, Digital Ocean, Vercel, Netlify, Git, Firebase, Docker/Kubernetes, Unity3D.

## Position of Responsibility

### Developer Student Clubs NIT Raipur

*Facilitator, Android Study Jams*

- Mentored 50+ students in Android Study Jams at NIT Raipur on course **Android Kotlin Fundamentals course**.

Raipur, Chhattisgarh

11/20 - 04/21

### Technocracy - Technical Committee of NIT Raipur

*Tech Lead*

- Aavartan Android Application

Raipur, Chhattisgarh

01/19 - 04/21

- Redesigned UI of previous year's Application and fixed various bugs.
- Kleos2k18 Android Application
  - Made the backend and Android App from scratch.

## Talks and Bootcamps

- Conducted a Bootcamp at Facebook Developer Circles Raipur on Blockchain-based Decentralized Application development in Ethereum Blockchain on March 20th 2020.
- Conducted Android Study Jams in NIT Raipur on course Android Kotlin Fundamentals course on date March 15th 2021.
- Given session on "Managing background work on Android" in I/O Extended with GDG Raipur on June 12th 2022.
- Given session on "What is an API?" in I/O Extended - Web Edition with GDG Raipur on July 10th 2022.

## Achievements

- **Winner:** Codeutsava 4.0 Hackathon in Blockchain track.
- **Winner:** Codeutsava 3.0 Hackathon in Blockchain track.
- **Winner:** Application Development contest held IIIT Raipur.
- **Finals:** Smart India Hackathon 2020.
- **Finals:** Smart India Hackathon 2019.