

Shritesh Jamulkar

Passionate Developer

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Work Experience

Samsung Research & Development Institute, Bangalore

Bangalore, Karnataka

Software Engineer

07/2021 - Present

- 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 Foundation

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.

Zenithec Techware

Raipur, Chhattisgarh

iOS Developer

04/2019 - 02/2021

- PetBro Business iOS Application
 - Made the 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

Raipur, Chhattisgarh

Software Developer Intern

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

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

09/2022 - Present

Computer Science - Future Networked Systems

Bachelor of Technology, NIT Raipur

08/2017 - 05/2021

Computer Science and Engineering

Cumulative Performance Index: 7.68/10

Final Semester's Performance Index: 9.27/10

Sri Shankra Vidyalaya(HSC)

04/2015 - 04/2017

Intermediate \+2

Percentage: 80%

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

Key Projects

Dublin Attractions

A Web application to find nearby attractions like art works and museums from current location in Dublin city using OpenAPIs and Knowledge graphs, stored in GraphDB. I have contributed to the creation of knowledge graphs and front-end development using the React framework.

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.

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.

Technical Skills

Programming Languages:

Proficient in Java, Javascript/Typescript, Python

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

Web Technologies:

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

Database Technologies:

MySQL, Postgress, MongoDB, Cassandra, Redis, InfluxDB, Prometheus

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 / Firefly / Burrow, GCP, AWS, IBM Cloud Platform, Digital Ocean, Vercel, Netlify, Git, Firebase, Docker/Kubernetes, Unity3D.

Position of Responsibility

Technocracy - Technical Committee of NIT Raipur

Raipur, Chhattisgarh

Tech Lead

01/19 - 04/21

- Aavartan Android Application
 - Developed NIT Raipur's Tech Fest's mobile Aavartan application using Native Android Development which has features like Live event tracking and connecting with new people and much more.
- Kleos2k18 Android Application
 - Developed a Live Quiz application for NIT Raipur's Flagship Triva Event using Django framework and Native JAVA mobile application.

Talks and Bootcamps

- Given a talk on "Python in Blockchain Interoperability" at Pycon Limrick 2023 on March 25th 2023.
- Given a talk on "Building insurance application on Corda Blockchain using Java" at Dublin Java User Group(DubJUG) on March 22nd 2023.
- Given a talk on "Unlocking the power of Knowledge Graphs" in Devfest Raipur in Machine Learning Track with GDG Raipur on December 16th 2022.
- Given a talk on "What is an API?" in I/O Extended - Web Edition with GDG Raipur on July 10th 2022.
- Given a talk on "Managing background work on Android" in I/O Extended with GDG Raipur on June 12th 2022.
- Conducted Android Study Jams in NIT Raipur on course Android Kotlin Fundamentals course on date March 15th 2021.
- Conducted a Bootcamp at Facebook Developer Circles Raipur on Blockchain-based Decentralized Application development in Ethereum Blockchain on March 20th 2020.

Achievements

- **Finals:** Smart India Hackathon 2019.

- **Airport-Licensing DAPP:** Developed a decentralized application for Aerodrome Licensing for Airport Authority of India(AAI) for Aerodrome Licensing using Hyperledger Fabric with React Frontend and Android Application for the on-site officer.
- **Winner:** Codeutsava 4.0 Hackathon in Blockchain track.
 - **Airport-Licensing DAPP:** Developed a decentralized application for Aerodrome Licensing for Airport Authority of India(AAI) for Aerodrome Licensing using Hyperledger Composer with React Frontend.
- **Finals:** Smart India Hackathon 2020.
 - **Choukidar Chrome Extension:** Developed a chrome extension to detect Top 10 OWASP Security vulnerabilities in a WebSite.
- **Fourth Winner:** Dot Slash Hackathon held at NIT Surat.
 - **dEmergency:** Developed a decentralized SOS triggering service for medical emergencies.
- **Winner:** Codeutsava 3.0 Hackathon in Blockchain track.
 - **dOrgans:** Developed 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.
- **Winner:** Application Development contest held IIIT Raipur.
 - **CG Tourism App:** Developed a React Native based cross-platform application for Chhattisgarh Tourism Board with Django Backend.