

## Indra Kumar Rongali

IIT Roorkee | Computer science & Engineering | Bachelor's & Master's Degree

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*Experienced software engineer with **7+ years of expertise in Fullstack development** and a proven track record of **leading engineering teams & delivering high-impact solutions** for a range of industries.*

***E-commerce | Logistics | Fintech | Social Network App | Web3***

**Skills :** Data Modeling · Relational Data Modeling · Systems Design · System Architecture · Finite State Machines · MySQL · REST APIs · Database Design · kafka · RabbitMQ · Redis · caching · Event driven microservices · PostgreSQL · TypeScript · NestJS · Node.js · Software Development · Programming · JavaScript · NoSQL · Java Script · AWS · Node JS · micro services · Distributed infrastructure engineering · API development · python · Deployment · Web3 · Rust · Anchor · Solana · Smart Contracts · Technology Leadership

### Sid'sFarm (Hyperlocal Grocery Delivery App)

*Feb 2023 - Present*

#### Technology Leadership, Development Excellence, and Strategic Scaling: Tech Lead

- **Led a diverse team of 8 engineers** (frontend, backend, and full-stack specialists).
- Spearheaded successful upgrades of key technologies, including React Native, React, React Navigation, and third-party libraries.
- Established a streamlined development workflow through GitLab with CI/CD.
- Ensured top-notch code quality through rigorous peer reviews and standards enforcement.
- **Orchestrated a seamless transition to a new payment gateway**, optimising payment processing and customer experience.
- **Managed a consumer app with 150,000+ downloads and 40,000+ daily active users.**
- Played a major role in handling the scale and growth of the product, achieving scalability through the setup of an **auto-scalable Django backend architecture** using **containerized apps and Amazon ECS**.
- Collaborated closely with the marketing team to **integrate MoEngage, Firebase Analytics, and Facebook App Events** into the consumer app for streamlined campaigns.
- **Spearheaded UI upgrades aligning with new design standards**, enhancing the user experience.
- **Configured deep linking capabilities, requiring navigation structure refactoring**, resulting in a seamless user experience with external links.
- **Led high-priority debugging sessions, swiftly resolving complex technical issues** to maintain project timelines and business operations.

### Carnet Healthcare DApp (Web3 - Solana) (Europe & Africa)

*March 2023 - Present*

#### Development Leadership and Expertise: Tech Lead

- **Successfully developed and launched** innovative **web3 healthcare dApps**, ensuring alignment with product objectives within **4 weeks**.
- **Designed and developed web3 architecture**, documented MVP design, streamlining development efforts.
- **Created detailed user flow diagrams for complex web3 applications**, enhancing team understanding.
- **Developed comprehensive project plans** with Gantt charts for tracking and delivering results.
- **Spearheaded both frontend and backend development efforts**, ensuring seamless integration.
- Utilised React Native for responsive UI design, optimising user experience.

- Managed **backend development using the Django framework**, implementing RESTful APIs for efficient data handling.
- Leveraged **blockchain expertise to design and develop core functionality of Solana smart contracts** using Rust with **Anchor framework**.
- **Ensured secure prescription issuance as NFTs on the Solana blockchain**, prioritising data integrity and traceability.
- Collaborated with blockchain experts to address intricate smart contract and blockchain integration challenges.
- Demonstrated **proficiency in blockchain best practices, including code auditing, security, and optimization**.

## Arzoo (Awarded Mountain Mover)

Dec 2020 - Jan 2023

### Role : Software Development Engineer II

- **Led a team of 4 to streamline returns, refunds, and payments processes**, reducing turnaround time to under 24 hours and eliminating manual tasks.
- Played a key role to develop the **system design and data modelling**, optimised our transportation infrastructure, emphasising **dispatch management and geo-tracking**. This streamlined logistics, enhancing cost-efficiency and on-time deliveries.
- **Launched the Planning and Dispatch Management System (DMS) in four months across 27 hubs**, Cut logistics costs by 8%, the delivery time of company products by half, (from 48+ hours to 24), and cut missing orders by  $\frac{2}{3}$  (from 33% to 11%).
- **Developed invoicing, payments, and order history modules** in the central Order Management System (OMS) for downstream team's use, including order audit history and state machine.
- Introduced a transactions library for efficient database updates throughout the order life cycle.
- Oversaw 3PL logistics network infrastructure API integration, expanding ops to 6000+ additional pin codes.
- Led smooth transition to microservices architecture, ensuring uninterrupted order cycles and data flow.
- Successfully integrated critical modules like returns, refunds, and credit disbursement during the transition.
- Introduced catalogue API caching, resolving response time issues and boosting system fault tolerance.

## SOKU - Full stack Developer

May 2020 - Nov 2020

- **Led development of Soku, an Indian women's fashion discovery app**, assistant successful market launch.
- Implemented a scalable MERN stack solution hosted on AWS EC2.
- Developed a cost-efficient content management system with AWS S3 and CloudFront for optimised storage and content delivery.
- **Implemented intelligent content feed with machine learning** to boost user retention and engagement.

## MEKO - CTO & Co-founder

Nov 2016 - Mar 2020

1. Co-founded and served as Chief Technical Officer at Meko, a **hyperlocal auto service start-up that built a marketplace for 2-wheeler and 4-wheeler service and repair**.
2. **Led the technical team of 4** and played a key role in achieving business and product objectives for the company.
3. Built and launched highly successful mobile apps for Android and iOS platforms, which enabled users to easily book services from nearby auto service providers.
4. Successfully scaled the platform to **90,000 monthly active users** and **1,000 daily transactions**, resulting in significant growth, revenue generation of more than **1.2Cr INR during the company's 1.5 years of operations**.