



# ABHIJIT ROY



Blockchain  
Developer, Architect

Chandigarh,  
India



## PERSONAL INFO

BIRTH DATE  
28 March 1993

NATIONALITY  
Indian

YEARS OF EXPERIENCE  
6+ years

## CONTACT INFO

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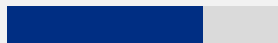
LinkedIn  
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## LANGUAGES

ENGLISH



Hindi



Bengali



## HOBBIES



## ABOUT ME

I am a Blockchain Developer with 6+ years of experience as CTO, Lead/Senior Smart contract Developer in multiple crypto startups, projects related to NFT, DeFi, Betting game and in utility category. I hold multi-chain development experience with leading Blockchain protocols like EVM, EOSIO, Solana.

## EDUCATION

2014 IIST, Trivandrum  
B. Tech Avionics

## LANGUAGE

C, C++, Solidity, Rust, Python, Vyper, Javascript, Typescript, Java, Bash, Batch, Markdown

## CAREER TIMELINE

- 2016-2017: Full-stack development of an All-in-One Android App – “BitInfoCoin”.
- 2017-2021: Blockchain Developer with multiple roles and projects.
- 2018: Founding CTO at DRIFE.
- 2019-2020: Freelancing projects done with multiple clients.
- 2021: Lead Blockchain Developer at DeFi start-up - “Boot Finance”.
- 2021-2022: Senior Blockchain Engineer at Master Ventures
- 2022: CTO at Theia Labs

## EXPERTISE



Blockchain

Data  
Science

Product

## SKILLS

GIT



SOLIDITY Language



Technical DOCUMENTATION



EOSIO C/C++



PYTHON



MIRO





## EXPERIENCE

### Blockchain

- Worked on different types of NFT smart contract with generative & manual art on IPFS, Arweave.
- Worked on a Crowdfunding 2.0 project via DeFi AMM with 'Diamond standard'. Also, build the architecture in sports-based Metaverse using player, stadium NFT cards with play-to-earn gamification model in Miro board.
- Worked as Senior Blockchain Developer on crowdsale program codebase over Solana Blockchain. Also, worked in launching parachain with Substrate via CLI on Polkadot relaychain.
- Worked as Lead Blockchain Developer & Architect for a DeFi startup and also familiar with projects like Uniswap, Curve, Saddle, Swerve, Liquity, Yeti. Also worked on Cross-chain Bridge for implementation of token & presale, vesting contracts with timelock functionality for the tokens transferred from DeFi protocols during swap.
- Worked on upgradeable contracts based on Escrow, Staking with reward issue, DeFi token's average price, Token vault.
- Unit testing, Deployment, Flattening, Verification, Get contract size of smart contracts using Hardhat, Truffle with Javascript or Typescript. Also, familiar with Slither to find contract vulnerabilities and monitor the gas consumption for each contract methods.
- Full Stack development of a product App (Android) – 'BitInfoCoin' in Crypto users.
- Designed & Developed the Smart Contract System Design with suite of smart contracts for a Ride Sharing DApp and wrote the technical whitepaper. Also incorporated a 'free Rides' trading AMM based marketplace with all-time liquidity using DeFi's Bancor Algorithm.
- Worked on smart contracts for a project "Providing a digital identity for parks to enable humans to interact with and take care of them".
- Worked on smart contracts for ICO along with a report on estimated running cost of resources like on-chain RAM, CPU, NET for both Testnet & Mainnet.
- Built architecture & wrote smart contracts – ICO, Stake, Token for a project on "Automatic payment disbursement to Patient/Doctor for Rehabilitation Programme(s)".
- Built Smart Contracts – Escrow, Game along with the architecture for a Betting Game – 'GPK.Battles' on WAX (EOSIO) Blockchain.
- Created a Tipping Bot with smart contracts integrated within using which any person can deposit/withdraw/send/receive multiple crypto token worldwide with just Telegram user ID.

- Developed a KYC Bot with Blockchain and Cloud integration for personal data like name, address selfie (stored in bytes) and validation of hashed sensitive data.
- Found an issue related to excessive on-chain RAM usage in Atomichub NFT protocol. Thereafter initiated a NFT protocol project – OYA with smart contracts.
- Working on a DeFi Chatbot – ProFi, which gives Analytical visual charts for maximizing yield in fiat money using different cryptocurrencies in multiple liquidity pools.
- Contributed in creating a guide – [“Setting up Telos Validator Nodes”](#) for Validators for the Telos (EOSIO) Blockchain.
- Designed the architecture for an incentivized travel platform with activity-dependent AI community Bot on Steem/Hive Blockchain.

## Data Science

- Created a software called ‘AutoPlot’ for generating interactive plots (with hovering feature) automatically from the big data maintained in Excel and reduced the time from 30 mins (earlier) to 3 seconds (now). Also, created a corresponding dashboard for data analytics on web browser.
- Automatic rent agreements (Deposit Deduction, Rent Increase) generation for different tenants data (like name, startdate, address, postcode) from Excel data.
- Renaming thousands of files based on 5 parameters available inside the file at a particular directory.
- Extract a specific data from a file (format: msr) and replace a specific line in another file (format: .001). Replace coordinates in a file with a desired value and repeat the same for thousands of files present in a directory.
- Fetching of accounts & timestamp of Twitter posts with tag *#libya*.
- Prepared a data analysis report on updating an Excel form from datasets fetched from Outlook mail.
- Image files (formats: dot, png) generation from fetched data in Excel file.
- Created a custom 3D Plot for data analytics related to Semiconductor devices with yield, which is visualizable with interactive modern-UI level.

- Built a Key Generator Bot called 'KeyHub', where a user can buy license key for a set of products. The key usage is continuously monitored along with exact location obtained through reverse-geocoding of coordinates.
- Created a Bot called 'LEO' which allows a user to get dog images based on their saved breed as preference or to load random dog images. A donation programme feature was also added which then allowed dog lovers to donate money directly to the Dog Welfare centres.
- Created a general purpose Quiz bot with types - MCQ, Image, Audio, GIF, Video for any topic where a teacher/School/College can conduct online exams for their students. Addition of proper evaluation of subjective types of exam is to be added into the Bot.



## LEADERSHIP AND ACHIEVEMENTS

- Bagged the 2<sup>nd</sup> rank in SNI Hack 2021 competition as a EOSIO Blockchain Developer for a project "Ceven.Parks", which provides a digital identity for parks to enable humans to interact with and take care of them.
- In 2018, I was the founding team member as CTO of a blockchain-based mobility platform that seeks to decentralize the ride-hailing ecosystem. I managed 10 core team members with developers, designers, content writers successfully.
- I was sponsored to represent DRIFE as CTO in World Blockchain Summit (WBS) held at Dubai in October, 2018, where I pitched to around 35 investors from worldwide and ranked as the best start-up in utility tokens category.
- I am managing the largest Semiconductor community over Telegram via a channel. In future, a blockchain-based Chatbot – 'SEMION' with customized user experience, is promised to be released on Telegram and a subscription fee will be charged for which feedbacks is taken via polls conducted within the community.
- I provide online education services through my Udemy account – Block.Hub Academy which has a total of 170 students enrolled for 4 courses to date.
- I am also available as a mentor for topics related to Blockchain (EOS, NFT, DeFi, Ethereum) via Fiverr for 4 people as of now.
- Maintain one of the highest starred Github repositories in EOSIO Ecosystem. Repo
- I have published many thoughtful articles related to Blockchain, Data Science on Medium
- I was a regular technical content creator for a community called Utopian on Steemit– An incentivized social platform on Steem Blockchain.
- Contributed to Uniswap v2 here.