



Profile

I am a Software Developer with 7 years of experience as CTO, Lead/Senior Blockchain Developer in various Web3 startups, projects related to Smart contract & Back-end development in NFT, DeFi, Betting game, utility category. I hold multi-chain development experience with leading Blockchain protocols like EVM, EOSIO, Solana, Substrate.



Blockchain

- Contributed to Opensource projects: Uniswap v2, OpenZeppelin, Telos Blockchain, Substrate ink.
- Familiarity with Zero-Knowledge Proof SNARK, STARK, groth16 arithmetic circuits, Tornado Cash like use case.
- Contributed to DeFi based multi-asset vault management platform – STFX.
- Worked on large scale contract projects like Polygon's stablecoin, Free energy backed AMM DEX, Bonding curve based crowdfunding platform with DAO, Ceven.Parks.
- Experienced with popular DeFi codebases like Uniswap, Curve, Saddle, MakerDAO, Liquity, Yeti, Aave.
- Worked on Token contract, Pallets on Substrate chain, updating the substrate recipes handbook with FRAME v2.
- Worked on multiple smart contract projects related to ERC20 Token, Vault, Staking, NFT Marketplace, Auction for EVM chains.
- Worked on projects related to on-chain, off-chain NFT projects with ERC721, ERC1155 standards, along with multiple generative, manual asset generation using NodeJS, Solidity, Hardhat.
- Have experience with ERC-2535 Diamond standard & Openzeppelin transparent, UUPS patterns for EVM upgradeable contracts.
- Worked on smart contracts like Token, Vesting, Staking with auditors from Quantstamp, Certik, Omnicia, etc. at Upside.
- Have experience in testing, deployment, flattening, verification, fuzzy-testing, gas optimization (using Yul, Solidity), get contract-size of smart contracts using Truffle, Hardhat, Foundry toolkits.
- Worked on multiple EOSIO smart contract projects like Ride sharing DApp, GPK.Battles (Betting game with RNG Oracle), Tipping, ICO (single/multi phases), Staking, Vault using C/C++, JS/TS.
- Have experience in NFT projects' assets deployment into IPFS, Arweave.
- At Master Ventures, I worked on crowdsale smart contract project on Solana. Also, helped in launching their parachain using Rust, CLI.
- Built the architecture of GameFi project – “Bowled.io” with play-to-earn gamification model along with different types of cards as NFT.



Backend

- Developed REST, GraphQL API backend using NextJS API routing for a web3 based automated token, vesting tool.
- Fair experience with React, Redux tools.
- Having experience with Databases like Firebase's Firestore, Redis, PostgreSQL, MongoDB for data storage on Google Cloud, Heroku.
- Setup CI/CD in Github Action, Docker for automated testing, packaging of a repo.



Experience

7 years



Education

2014 – B.Tech in Avionics, IIST, Trivandrum



Career Timeline

- 2016-2017: Full-stack development of an all-in-one crypto app called “BitInfoCoin”.
- 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
- 2021-2022: CTO at Theia Labs
- 2022: Founding Blockchain Engineer at Mojo, Polygon's native stablecoin.
- 2022: Senior Smart Contract Developer with backend at Upside.



Skills

- Computer Skills

Git & GitHub

Technical Documentation

Miro, Freeform

Jira, Linear, Clickup

EVM Solidity

Backend

EOSIO C/C++



Data Science

- Created a CLI based Data visualization Software - "Autoplot" in **Indian Space programme's** requirement where excel based data parsed as input and returned comprehensive analytics as output.
- Worked on several data wrangling projects with different types of data related to Semiconductor industry.



Product

- As a full-stack developer, I created an Android App - "BitInfoCoin" for web3 space to provide crypto related services like show nearby crypto ATMs, exchanges, price, news feeds.
- Created 3 Telegram Bots with EOSIO smart contract & Redis cloud integrated - Tipping, KYC, Quiz.
- As CTO, I built the first 2 versions of Theia web App product with smart contracts & cloud integrated.

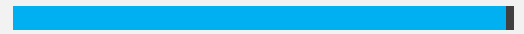


Leadership & Achievements

- Bagged the 2nd rank in SNI Hack 2021 competition as a EOSIO Blockchain Developer for a project "[Ceven.Parks](#)"
- I was sponsored to represent [DRIFE](#) as CTO in [World Blockchain Summit](#) (WBS) held at Dubai in October 2018, where it was ranked as the best start-up in utility tokens category. The project recently was appreciated with award from UNESCO for its innovation.
- I also managed 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 Udemmy account – [Block.Hub Academy](#) which has a total of 243 students enrolled for 4 courses to date.
- I also do mentorship, university talks, workshops via 1:1 sessions.
- I have published many thoughtful articles related to Blockchain, Data Science on [Medium](#)
- I was a claimed technical content creator for a community called [Utopian](#) on [Steemit](#).

- Inter-personal Skills

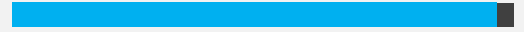
Ability to work under pressure



Analytical Skills



Detail-oriented



Multitasking



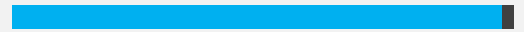
Problem-solving



Time Management



Teamwork



Coding Languages

Solidity, C++, Rust, JavaScript, TypeScript, Python, Java, XML, Markdown



Hobbies

