

LAKSHYA KUMAR

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Innovating with blockchain expertise

PROFILE

Near 6 years of expertise in architecting, implementing, and deploying blockchain, cloud and full stack solutions. Well versed in researching and utilizing the latest technologies to deliver innovative and efficient solutions. Committed to continuous learning and staying up to date with the latest advancements in blockchain industry.

EDUCATION

- **MTech** (2016-2018)
Computational
Mathematics
NIT SURATHKAL,
Karnataka
- **BTech** (2015), **DTU**, Delhi

KEY HIGHLIGHTS

- Key contributor to **Hyperledger/bevel**
- Worked with K8s to deploy private chains.
- Worked on Multiple blockchain use cases.
- Worked on transaction scalability on EVM.
- Worked on ZKP and Account Abstraction

SKILLS

- Blockchains, private, public, tokenomics, EVMs, cryptography
- AI, Langchain
- NodeJS, ReactJS
- Rust, Python
- AWS

WORK EXPERIENCE

VP Web3 and AI Solutions

Formidium | Bangalore, India

Feb 2024– Present

Working as a web3 solution architect and team lead for a fund tokenization project and Enterprise grade chatbot with RAG and Few shot prompts.

- Worked on custody of private keys and wallet management service.
- Worked on EVM and Provenanced Blockchains to create tokenized funds.
- Worked on oracle services.
- Worked on extracting blockchain data for web3 accounting purposes.

Backend Engineer

Xalts | Bangalore, India

April 2023 – Present

Working as a Blockchain and a backend engineer with wearing multiple hats. Solving institutional problems with blockchains. Researching, and developing solutions related to ZK and Account abstraction.

- Created a wallet management service to help users to utilize their web2 logins to create a private key and utilize generated key to make transactions.
- Utilized Account Abstraction, ERC 4337 to provide recoverability of assets and Smart contract wallets, worked with other components of AA as well.
- Worked on a bridge to transfer tokens across chains.
- Built a blockchain indexer from scratch.

PROJECTS

- **Hyperledger/bevel**, an accelerator that helps developers to setup and deploy production ready DLT network.
- **Turbulent**, available on NPM, a React.js and Next.js hook library for blockchain interface.
- **Enthalpy**, available on NPM, a react UI kit for Portfolios.
- **XIToDb**, Available on NPM, a node package that collects and extracts data from excel and directly add it to a configured Mongo DB.
- Created a step-by-step project that can help developers understand the concepts behind the **ERC 4337** and implement it.
- **Game plugin** to verify and add a score in a web-based leaderboard.
- **Rent NFTs**, Worked on a prototype of Renting of NFTs in Quadrant as an alternate use case for their utility NFTs
- **Wallact**: Wallact is a wrapper over ethers.js that removes complexity for calling a contract.
- **Advanced RAG**: AI-powered assistant for question-answering tasks. It uses RAG tool and models to retrieve

WORK EXPERIENCE

Blockchain Engineer

Quadrant.io | Remote

Dec 2021 – Apr 2023

Worked as a lead blockchain developer, wearing multiple hats for architect and DevOps as well, worked with eQuad token, tokenomics and their public and private chain.

- Worked on solutions for scalability for eQuad token with more than 15K transactions a day from Quadrant's wallet.
- Created Utility NFTs for Quadrant to Improve user engagement and tokenomics for eQuad.
- Maintained and fixed the Quad private EVM chain.

Created robust solutions for the success and automatic retries for failed transactions.

Concept Engineer

Everledger | Remote

Feb 2021 – Oct 2021

Working as a Blockchain and concept engineer, researching on the current advancements in various fields and come to a solution or POC or architecture that can help the clients and can be utilized in the diamond track and trace.

- Worked on their Fabric chain for track and trace of diamonds for the clients.
- Come up with react widgets that display a provenance of a diamond and can be easily integrated in any type of website.
- Worked for WeChat integration and a server in China to extend the Everledger track and trace to the China market.

Software Engineer

Accenture | Bangalore, India

Sep 2018 – Feb 2021

Worked as a full stack, blockchain and DevOps engineer at Accenture with multiple clients, played multiple roles in multiple teams, worked with Accenture's leadership to take a project from incubation phase to a Hyperledger-labs product.

and process
information from a
PDF document.

Articles

- [Demistifying Account Abstraction: A Step-by-Step Exploration of ERC-4337](#)
- [Hitchhiker's Guide to Blockchain: Unraveling the Mystery](#)
- [Taming the Ethereum Jungle: Wallact Makes Smart Contracts Your Plaything](#)

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- Worked with various clients as a full stack developer working in NodeJS and ReactJs.
 - Worked on creating Ripple APIs for banking clients
 - Worked on Hyperledger fabric and Hyperledger besu, wrote K8s charts and worked with CI/CD tools while contributing to Hyperledger/bevel.
 - Deployed Bevel solutions for various clients.