Kartikey Kashyap

Mobile No.: **8374317490**
Email-id :**kartikey.dav100@gmail.com**

INTRODUCTION

- Certified Blockchain professional and team player with 4 years+ of Blockchain experience. Organized and participated in several recognized Hackathons. Currently, working as a consultant at KPMG India and also contributing as Developer Advocate at Hyperledger India community and community lead of Hyperledger Hyderabad, which is one of the largest communities of Blockchain in India under the Linux Foundation. A technology-driven person who is always interested in learning and contributing to society.

WORK EXPERIENCE

- **KPMG India: December 2021 - Present**(Sr Consultant)

  - Development Experience
    * NFT-based employee recognition platform: NFT platform development where organizations can create, NFTs for employee appreciation.
    * NFT bidding platform where NFTs can be bid using a custom ERC20 token.
    * A proof of reserves (PoR) is an independent audit of a crypto exchange, usually by smart contract audit companies, showing that a custodian (e.g., an exchange) actually holds the assets it claims to hold on behalf of its users. The independent auditor takes a snapshot of all balances held by the custodian and aggregates them into what's called a Merkle tree so that the public can verify the assets.

  - Blockchain Risk and Security:
    * Blockchain Risk assessments for CBDC developed by Eastern Caribbean Central Bank.
      · Audited Hyperledger Fabric infrastructure in production for CBDC.
      · Audited smart contract for CBDC.
      · Audited HSM Hardware security module involved.
      · Audited wallet security, key generation and functionalities.
    * Smart Contract Audit for a stablecoin in production
      · Audited key management system given stablecoin.
      · Audited change management system.
      · Audited smart contract for given change management system.
      · Audited wallet security functionalities.
    * Smart contract for Metaverse
      · Manually smart contract for Reentrancy, Access Control, Arithmetic, Unchecked Return Value, Denial of Service, Bad Randomness, Short Addresses, Race Conditions.

- **MSR Cosmos LLC: November 2019 - November 2021**(Software Engineer)

  - Working on a Blockchain as a Service Product that can be hosted on any Cloud Service provider (AWS/GCP/Azure/DO).
    * This can deploy HLF 1.4 and private Ethereum network of any configuration on top of Kubernetes.
    * Bass-Tool: a collection of executable files which can create configtx, crypto-config,ccp for node services,ccp for explorer dynamically by the user.
    * This can deploy any chaincode using the endpoints provided to the user.
    * This also contains a dynamic Explorer for the user.
  - PoCs(Proof of concept):
    * **Building a business solution for MNC** - Building a complete blockchain solution for four different supply-chain systems on top of HLF 1.4, chaincode and services written in Nodejs and hosted on Azure.

- · **Medchain** - Medicine supply chain with 4 organizations in the consortium.
- · **Dairychain** - Dairy supply chain with 4 organizations in the consortium.
- · **Agrichain** - Agricultural supply chain with 5 organizations in the consortium.
- · **Lubechain** - Lubricant supply chain with 5 organizations in the consortium.
  - ∗ **Building a customer loyalty rewards programs** - Building a dapp on Ethereum private network for reward point management among a consortium of organisation.
  - ∗ **NFT for Artist** - Building an NFT application on Ethereum private network.

- **Uptech Idealabs:January 2018 - November 2018 "AND" Idealabs FutureTech Venture: December 2019 - September 2019** (Blockchain Trainer(Intern))

  ○ Trained more than 1000+ students in Blockchain.

  ○ Mentor in several state level and national level hackathons.

    ∗ **Technical Mentor and Organizing Team Member** of IBC Hack(International Blockchain congress):Asia's largest Blockchain Congress.
    ∗ **Excite 2018** - Excite is an annual technical product-building Hackathon for 6 weeks for all JNTU-H students.
    ∗ **Blockathon** - Blockathon was a state-level Blockchain hackathon in Andra Pradesh, under MakeinAP initiative.
    ∗ **JNTU-H Mentor for innovation** - Mentor for innovation was a JNTU-H initiative for building solutions on emerging technology with JNTU-H faculties.
    ∗ **Make in AP** - Make in AP was a combined initiative by NASSCOM 10,000 Startups and Idealabs FutureTech Ventures in partnership with Innovation Valley(AP Innovation Society), Government of AP and supported by DIPP, Govt. of India., for nurturing startup culture in the state.
    ∗ First **Beta Tester** for **Eleven01** - India's first home grown Blockchain protocol.
    ∗ **ERC20 Token on Ethereum test-net** - An ERC 20 token with 18 Million supply, named **Bittu coin**.
    ∗ Prototyped 20+ different usecase on Ethereum.
    ∗ PoCs(Proof of concept):
      · **Building a business solution for MNC** - a supplu chain solution with multi-host(using docker swarm) network, multi-channel, multi-chaincode(written in Go lang) on Hyperldger fabric.
      · **Source tracking project for a farm management company** - Built an Hyperledger fabric architecture for tracking the source of Cotton, which included one orderer,one channel,three chaincodes written in Go lang and exposing its APIs written in node js.
      · Implemented a Blockchain based solution for a real estate business.The architecture is built using Hyperledger fabric, chaincode in go lang and microservices in node js deployed on AWS.

- **FosterGem: September 2016 - January 2018** (Co-Founder,UI-UX, Social Media and Marketing)

  ○ FosterGem is a social content discovery platform website and mobile app, which aggregates articles from about more than 3000 sources and delivers at one platform, to users on their interest.

  ○ FosterGem got into the FB Start initiative by Facebook in 2017.

  ○ Social Media manage for more than 25K+ followers.

  ○ Several UI for the FosterGem website.

TECHNICAL SKILL

- **Blockchain Platforms**

  ○ **Expertise** - Ethereum, Polygon, Hyperledger Besu, Hyperledger Fabric
  ○ **Intermediate** - Go Quorum

- **DevOps**

  ○ **Expertise** - Docker
  ○ **Intermediate** - Kubernetes,Nginx,Git

- ○ **Familiar** - CI/CD pipelines.
- **Languages and Frameworks**
  - ○ **Expertise** - Javascript, Solidity
  - ○ **Intermediate** - Nodejs,Python,C
- **Databases**
  - ○ **Expertise** - Couch DB
  - ○ **Intermediate** - Mongo DB,Redis
- **Cloud**
  - ○ **Intermediate** - Azure
  - ○ **Familiar** - AWS,GCP

Professional Certifications

Certification Title	Issued By	Valid Till
Certified Blockchain Solution Architect(CBSA)	Blockchain Training Alliance(BTA)	2025
Certified Blockchain Developer - Ethereum (CBDE)	Blockchain Training Alliance(BTA)	2025
Certified Blockchain Business Foundations(CBBF)	Blockchain Training Alliance(BTA)	2025

ACADEMIC DETAILS

Qualification	School/College	Board/University	Year
B.Tech(Electronics and Communication Engineering)	Aditya Engineering College	JNTU-K	2018
XIIth	D.A.V Public School,Kathara	CBSE	2013
Xth	D.A.V Public School,Kathara	CBSE	2011

VOLUNTEER EXPERIENCE

- ○ **Hyperledger India: 2023 - Present** - (Developer Advocate)
  - ∗ Conducting workshops to help, understand and improve the developer's experience in Hyperledger to ensure that more developers can use the Hyperledger products easily.
  - ∗ Organising all annual meetups and hackathons.
- ○ **Hyperledger Hyderabad: 2019 - Present** - (Community lead)
  - ∗ Organizing meet-ups for official Hyperledger Hyderabad under Hyperledger organization meetups for Blockchain. developers. Hyperledger Hyderabad is 3rd largest Hyperledger Community in India.
  - ∗ Organised India's First DAML(Digital Asset Modeling Language).
  - ∗ Organised meetup for Hypereledger in production.
  - ∗ Organised meetup for SSI (self-sovereign identity).
  - ∗ Organised meetup for COVID-19 Vaccine over Blockchain.
- ○ **TEDx Hyderabad: 2018 - 2022** - (Core Team Member)
  - ∗ Managing WordPress Website of TEDx Hyderabad and SAHE.
  - ∗ Ideation for TEDx Hyderabad 2019 theme Limitless and curating pool of speakers.
  - ∗ Social Media handling for TEDx Hyderabad official handles.
  - ∗ Managing ticket booking on the website portal.
  - ∗ Speakers management team which coordinates with speakers.