Navjeet Kumar

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EDUCATION

B.Tech From Cochin University Of Science and Technology.

WORK EXPERIENCE

2 years 4 month.

WIPRO TECHNOLOGIES, BANGALORE, INDIA

Blockchain Developer   *July 2017 – Present*

- **⚬ *Hyperledger Developer*** at the Centre of Excellence Blockchain Research Group, Wipro
  Goals Achieved:
  - *a) Implemented proof-of-concept and demo applications using hyperledger like:*
  - *b) Trade-Finance, which involves Purchase order, their agreement and cost settlement*
  - *c) Airworthiness Certificate Tracking is on managing forms of different parts of the aircraft.*
  - *d) Loyalty Point Management*

  My Contributions
  - *Worked on creating chaincode using Golang.*
  - *Migrated an application from hyperledger 0.6 to 1.0*
  - *Created, built, deployed and tested chaincode using REST API.*
  - *Created different node network in hyperledger like one node network and 4-node network.*
  - *Used member services in hyperledger network for security purpose.*
  - *Used REST API requests to enroll, register a user, deploy, invoke and query chaincode.*
  - *Created network with security enabled in hyperledger.*

- **⚬ *Ethereum Developer*** at the Centre of Excellence Blockchain Research Group, Wipro
  With an experience of working on various POC's and building products from start to finish for the clients, gained proficiency in building smart contracts using solidity language and understanding of in and out of blockchain.

  - **Leveraging Blockchain for Supply Chain: Provenance & Track-and-Trace Using Blockchain**

    Goals Achieved:
    a. *Transparency: At each point in supply chain key properties recorded: the nature (what it is), the quality (how it is), the quantity (how much of it there is) and the ownership (whose it is at any moment)*
    b. *Cost & Reputation: Reducing legal issues/hassles, save cost and reputation*
    c. *Audit Trail: Creating an auditable record of Pallets which have been shipped to prove authenticity*
    d. *Establishing Trust: Trust on the product authenticity was established and vouched for by each participant in the multi-party business network (multiple legal entities) No central controlling party – de-centralized model ensures distributed ownership and risk amongst all stakeholders*

My Contributions
a) Writing the smart contracts for managing Raw Materials, Final Products, Pallet and Shipment in the supply chain use case.
b) Setting up a Multi-node private blockchain on Ethereum on which the Dapp was deployed.
c) Writing the NodeJS application and working with the front-end Team defining various APIs to integrate the web application with blockchain backend using web3.
d) Setting up docker monitoring tool for NFR
e) Writing the Scripts for Bulk upload of data

○ **UI Developer**   *April 2016 – July 2017*

Designed and Developed UI of various POC's:
- *Trade-Finance: Which involve Purchase order,their agreement and Cost settlement.*
- *Airworthiness Certification:A Solution for Airplane manufacturer which integrates its all component producer and their respective certification.*
- *Dubai-Trade: Implements Vessel registration and Berth booking facility on Blockchain.*
- *Anti-Counterfeit Solution:Helps tracking of Product in supply chain and provide visibility to the stackholders.*
- *Lab as a Service: Innovation lab provide Blockchain environment to test,solve and scale Blockchain Apps.*

Solution for multibranded loyalty point management
Solution Approach:
This is a Single platform for managing and creating the AWS & Azure resources. It also helps us track the daily usage of resources for each projects in an organization.
Benefits:
a. It's a single portal for managing and creating all the AWS & Azure resources
b. It also provides detailed billing for both AWS & Azure Resources
My Contributions
a. Creating the program to fetch the usage details of provisioned resources from azure and creating the detailed report
b. I was also responsible for managing the AWS resources

SKILLS

- **Programming: Solidity**, **Golang** , NodeJS, JavaScript, *AngularJs, Bootstrap, CSS, HTML,*
- **Cloud :** *AWS*
- **Blockchain :** *Ethereum, Hyperledger 0.6 and 1.0*
- ***Tools:** Postman Geth, Remix*