

# VISWANATH KAPAVARAPU

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Github: <https://github.com/vishvaultbank> (Work)

<https://github.com/viswanathkgp12> (Personal)

Blockchain developer with 3 years of experience in software development primarily focused on building wallets (exchange) and DApps. Proficient in NodeJS/Typescript/Javascript(ES6), Python/Flask/Django, C, Solidity/web3.js, docker, RabbitMQ, shell script(basic) and MySQL/Postgres, MongoDB databases.

## PROFESSIONAL EXPERIENCE

### TOKENTECH R&D, BANGALORE | BLOCKCHAIN DEVELOPER

NOV 2018 – JUN 2020

#### ONSA([onsa.com](https://onsa.com))

- Tokenization of Franklin Templeton backed [Investar Money Market Funds](#)(MMFs) on Stellar Blockchain Platform
- Building backend services for issue/burn of assets, establishing trust lines, buy/sell and other token related operations using Stellar Channels

**Languages/Tools:** NodeJs, TypeScript, Postgres, Docker

#### CUSTODIAN WALLETS

Offline custodial wallets on HSM (hardware security modules) for the storage of a reserve of cryptocurrencies.

- Implemented wallets in a multi-signature fashion for PoW and DPoS Blockchains including Bitcoin, Litecoin, Bitcoin Cash, Ethereum, EOS and Stellar
- Worked on [Thales nShield Connect HSMs](#) for cryptographic key generation/storage, signing and verification
- Identified security threats in the wallet implementation architecture such as prevention of replay attacks for payment requests, ensuring idempotency and implemented necessary checks
- Setup and maintenance of Blockchain Nodes for mainnet, testnet and regtest environments

**Languages/Tools:** Node Js, TypeScript, C, Python3/Flask, Solidity, MySQL, Docker, RabbitMQ

### ZEONLAB, MUMBAI | BLOCKCHAIN DEVELOPER

MAY 2017 - OCT 2018

#### VERIFIED ON CHAIN

Provable issuance of certificates and badges on Ethereum Blockchain by universities and employers.

- Handled user account management via BIP-32 based HD Wallet Provider
- Responsible for developing/maintenance of Solidity Smart Contracts, backend web services and integration of Blockchain layer on frontend

**Languages/Tools:** JavaScript, Python3/Django, Postgres, Solidity, Truffle

#### TRADE FINANCE APPLICATION

Hyperledger Fabric (V1.0) based decentralized application to orchestrate cross-border trade finance among multiple parties with minimum efficiency loss.

- Developed chain code for handling business logic involving purchase orders, invoices and other documents
- Wrote setup and maintenance scripts for bootstrapping network of orderers and peers of participant organizations
- Implemented REST APIs on the backend using Fabric NodeJS SDK to communicate with the ledger

**Languages/Tools:** Node Js, Go Lang, Hyperledger Fabric V1.0, Shell Script

## EDUCATION

IIT Kharagpur – Dual Degree, Chemical Engineering, 2012-2017

Cumulative Grade Point Average (CGPA): 7.82 / 10.0

## MISC - CERTIFICATIONS/HACKATHONS

- Open source contributions to web3.js [#1](#) [#2](#), bitcore, moneybutton/bsv
- Coinlist Tezos Hackathon(Jul 20) | \$5000 Prize [Winner](#)  
Built [auctioning platform](#) providing flexible framework for conducting auctions in de-centralized manner([Frontend](#) [Backend](#))
- Proffer Hackathon(Nov 17) | [Finalist](#)  
Built provenance on supply chain([Github](#)) to bring transparency and automate payments utilizing Blockchain platform
- **Certifications:** [Docker/Kubernetes Certification](#), [IBM Blockchain Foundation Developer](#), [IBM Blockchain Essentials](#)