Rajat Kumar Wasan

https://rajatwasan.github.io
rajatwasan@duck.com

EDUCATION

FLORIDA STATE UNIVERSITY
MASTERS IN COMPUTER SCIENCE
Grad 2022-2024 (Pursuing)

KURUKSHETRA UNIVERSITY
B.TECH(HONORS) IN COMPUTER SCIENCE
Grad 2017 | Ambala, Haryana

MM INTERNATIONAL SCHOOL
SENIOR SECONDARY SCHOOL
Grad Apr 2013 | Ambala, Haryana

DAV CENT. PUBLIC SCHOOL
SECONDARY SCHOOL
Grad. Apr 2011 | Ambala, India

SKILLS

PROGRAMMING
Node.js • Solidity • Python • C++

BLOCKCHAIN AND ML
Hyperledger - Fabric, Iroha, Sawtooth
Ethereum • Tendermint
Numpy • Scikit • OpenCV

DATABASES
BigChainDb • MongoDb • MySql

LIBRARIES/PROTOCOLS
Truffle • Web3 • IPFS • Dialogflow

CONTAINERS, AND CLOUD
Docker • Github • AWS

COURSEWORK

Graduate
Advanced Algorithms
Cryptography
Advanced Database Systems

Certifications
Blockchain Essentials
IBM Blockchain Developer

EXPERIENCE

REALTO GROUP INC | LEAD BLOCKCHAIN ENGINEER
July 2019 – August 2022 | Hyderabad, In

- Development of Realto marketplace smart contracts and wallet integration for minting, and transfer of security tokens.
- Implementation of smart contracts for asset tokenization, NFTs, DeFi and oracle integration for currency conversion.
- Research and development of proprietry proof of reserve algorithm for multiple fiat pegged stablecoin.
- Configured autoscaling for AWS beanstalk, ec2 instances and managed cloud services for efficient costs.
- Developed interactive chat flow in dialogflow and added fulfilment services for property price prediction

COGNIER INSIGHTS PVT. LTD | SENIOR BLOCKCHAIN DEVELOPER
July 2017 – July 2019 | Hyderabad, In

- Researched blockchain technologies and provided insights for product use cases in healthcare record store, asset ownership and income distribution.
- Development of land records for government and real estate investment subscriptions for investors on sawtooth ledger.
- Time and counter based perishable keys for secured file sharing on hyperledger fabric.
- Planning and research for asset track and trace for cold supply chain management on hyperledger sawtooth.
- Optimization of Samplepop python web application to reduce load time of Geo map markers from 8 to less than a second.

PROJECTS

Realto App
SaaS marketplace for buying and selling Real Estate fractions.

Outpace
Creating connector components and libraries for No-Code platform outpace.

Ownet
Real estate subscription and booking platform.

MedCryp
Healthcare product for hospitals, clinics to store and share medical records securely.

Secure file sharing
Peer to peer file sharing application with permission and time based keys.

Object detection and analysis
Computer vision project for customer segmentation by products, and category from live video streams.