

Chetan Chaurasiya

Sr. Technology Consultant- Blockchain

Email: *chetanji028@gmail.com*

Contact No: *+919829217450*

Location: *Kota, Rajasthan, India*

Visa Status: *Indian Citizen*

LinkedIn: <https://www.linkedin.com/in/chetan-chaurasiya-1954b656/>

PROFESSIONAL SUMMARY

With 8 years of experience, I specialize in **blockchain** solutions of 5.5 years across industries, focusing on **Hyperledger Fabric** for 3 years and **Golang** for 2.5 years. I have In-depth knowledge of blockchain fundamentals, including consensus algorithms, cryptographic methods, peer-to-peer networks, experience in developing and deploying smart contracts. I have understanding of distributed ledger technologies and decentralized networks. Proficient in **Golang, Solidity** and **Rust**. I develop **smart contracts** and **optimize blockchain performance**. Integrating blockchain with **legacy systems** and **APIs**, familiarity with DevOps practices and tools for blockchain deployment. Notably, I've led the development of permissioned blockchain networks for financial institutions, leveraging **Docker** for containerization and ensuring cross-chain interoperability. Experience of core Blockchain development.

Key strengths and qualifications:

- **Proficiency across Multiple Languages:** Skilled in **C, C++, Java, JS/TS, HTML, React, CSS, Golang, Rust, Solidity, Turborepo, NestJS, Prisma, Vercel, Nodejs** enabling versatile application development across various platforms.
- **Blockchain Expertise:** Well-versed in Blockchain Fundamentals, DAO, The Graph, Stable Coin, DEX, token bridge, price oracle, layer2, concentrated liquidity, sybil attack, quadratic funding, Cryptography, Consensus Algorithms, and Distributed Ledger Technology (DLT), with hands-on experience in Ethereum.js, Web3.js, Truffle, Remix, and DApps development.
- **Cloud Platform Proficiency:** Experienced in deploying and managing applications on cloud platforms such as Azure and AWS, ensuring scalability, availability, and security.
- **Database Management:** Knowledgeable in SQL(PostgreSQL) and NoSQL (CouchDB) proficient in designing and optimizing databases to handle large-scale data processing.
- **DevOps Skills:** Familiarity with GitHub, CI/CD, Kubernetes, **Docker, Jenkins**, Terraform, and **Linux/Ubuntu**, Postman for version control, collaboration, and API testing, facilitating seamless development workflows.
- **Specialized in Blockchain Solutions:** Extensive experience in ERC20, ERC721, and ERC1155 token standards, wallet development, Foundry, blockchain interoperability, and analytics.
- **Security and Auditing:** Committed to ensuring the security and integrity of blockchain systems through thorough security audits and implementing best practices.
- **Innovative Problem Solver:** Skilled in Lightning Network, Ethereum Layer2, DeFi, NFTs, and Smart Contract testing and optimization, driving innovation in blockchain technology.

Education

Suresh Gyan Vihar University-Jaipur (Bachelor Degree of Computer Science)
Jaipur, India

July 2009 - Oct 2013

Work Experience

Ernst and Young LLP (Senior Technology Consultant)

June 2023 - Sept 2023

Government Use Case Exploration (Blockchain Project)

- Conducted extensive research and analysis to identify potential use cases for implementing blockchain technology across Health, IFMS, and Land Records.
- Led the creation of dedicated sandboxes to facilitate **Proof of Concept (POC)** trials for the identified use cases.
- Played a key role in drafting **Request for Proposals (RFPs)** and contributed to project pursuit activities.
- Utilized a tech stack comprising **Hyperledger Fabric using JWT, Golang, Node.js, Grafana, Prometheus, Smart Contract (Chain code), Jenkins, GitLab CI/CD, Travis CI, Chai/Mocha**, along with databases such as **CouchDB and Level DB, Elasticsearch, Kibana, Logstash**.
- Employed **Docker and Kubernetes** for containerization and orchestration, **Kafka** for messaging, and **Microservices DevOps architecture** for scalability.

Seasia Infotech (Senior Software Consultant)

July 2022 - Nov 2022

NFT Marketplace on Ethereum Blockchain

- Functioned as a **Smart Contract Developer**, responsible for designing and implementing **Solidity**-based smart contracts for an **NFT marketplace**.
- Developed smart contracts to facilitate the selling and buying of non-fungible tokens (**NFTs**), with a focus on data exposure from **IPFS**.
- Leveraged technologies including **Solidity, Web3.js, Foundry Tool and Ethereum.js** to establish connections between the smart contract and the front-end interface.
- Managed source code using **GitLab** with **CI/CD pipelines** for continuous integration and version control. DevOps tools **Travis CI, Chai/Mocha, Grafana, Prometheus**.
- Tracked tasks, bugs, and issue resolution using **Jira** Software for efficient project management.

Smart Data Enterprises (Associate delivery level3)

Feb 2022 - June 2022

Ethereum Protocol Implementation ((Blockchain Project))

- Contributed to the development of a modular and fast implementation of the **Ethereum** protocol in **Rust**, emphasizing contributor-friendliness.
- Played a significant role in creating smart contracts using **Solidity** on the **Hardhat** framework, and validated responses on the test-net.
- Employed a tech stack consisting of **Golang, Web3.js, Foundry Tool, Hyperledger Fabric, Docker, Kafka, Elasticsearch, Kibana, Logstash** and DevOps tool used. **Microservices** architecture to support project requirements.

Technologies Used:

Hyperledger Fabric, Golang, Node.js, Solidity, Web3.js, Ethereum.js, Smart Contract, WebSocket, HTTP, IPC, Databases (CouchDB, Level DB), Docker, Kubernetes, Kafka, Microservices

Logictrix Technologies (Blockchain developer)

Sept 2018 – Nov 2021

Foundry - Ethereum Toolkit in Rust

- Spearheaded the development of Foundry, a rapid, adaptable, and modular toolkit for Ethereum application development, written in **Rust**.
- Utilized smart contract creation techniques with the assistance of the open-zeppelin library and Ethereum development frameworks.
- Employed a tech stack comprising **Golang, Web3.js, Foundry Tool, Grafana, Hyperledger Fabric, Kafka, and Microservices DevOps tool used.** architecture to ensure seamless project execution.

Loyalty Points Exchange System

- Designed and implemented a **Loyalty Points Exchange System**, aimed at incentivizing customer retention and repeat purchases for client companies.
- Responsible for smart contract development using **ERC20** and **ERC721** tokens, alongside Ethereum development frameworks.
- Utilized a tech stack including **Solidity, Web3.js, Ethereum.js, IPFS, Foundry Tool** and **Hyperledger Fabric** to deliver a robust and scalable solution.

NFT Marketplace on Wave Blockchain

- Contributed as a Smart Contract Developer to the creation of an **NFT** marketplace on the Wave Blockchain, facilitating the buying and selling of non-fungible tokens (**NFTs**).
- Developed smart contracts using **Ride** Language for data exposure from **IPFS**, enhancing the blockchain-based platform's functionality.
- Employed a diverse tech stack including **Ride, Hyperledger Fabric, Web3.js, dApp script, and GitLab** for efficient project management and development.

ERC721 Game

- Led the development efforts for an **ERC721**-based game concept, reminiscent of **Crypto Kitties**, enabling virtual asset trading and breeding.
- Designed and implemented smart contracts in Solidity language, ensuring seamless integration with front-end interfaces using **Web3.js** and **Ethereum.js**.
- Utilized **Jira** Software for task tracking and issue resolution throughout the project lifecycle.

Bitcoin Lightning Network

- Contributed to the implementation of the Lightning Network, a layer2 payment protocol built on top of **Bitcoin**, addressing scalability concerns.
- Leveraged **HTML, JavaScript, NodeJS, and MySQL** for frontend, backend, and database management, respectively.
- Deployed on Azure cloud infrastructure, ensuring scalability and reliability for the Lightning Network implementation.

Technologies Used:

Golang, Web3.js, Rust, Hyperledger Fabric, Kafka, Microservices, Solidity, Web3.js, Ethereum.js, IPFS, Ride, DApp script, WebSocket, Gitlab, Jira, HTML, JS, Core UI, Node.js, MySQL

Frugal Software Pvt Ltd (Software Developer)

May 2014 – July 2017

- Joined Frugal Software as a Software Developer, contributing to various projects across different sectors.
- Collaborated with senior developers to design and implement software solutions using a diverse set of programming languages including **C**, **C++**, **Java**, **JavaScript**, **HTML**, and **CSS**.
- Participated in the development of web applications, leveraging **HTML** and **CSS** for frontend layout and styling, while utilizing **JavaScript** for client-side interactivity.
- Assisted in backend development tasks using **Java**, ensuring seamless communication between frontend and backend components.
- Engaged in code reviews, bug fixing, and testing activities to maintain code quality and enhance overall software performance.
- Actively involved in learning and adopting new technologies and best practices under the guidance of experienced team members.
- Played a vital role in contributing to the success of project deliveries and achieving client satisfaction through timely and quality-driven software development efforts.

Technologies Used:

Java, C, C++, JavaScript, HTML, CSS, Git, Docker, Jira, RESTful API, CI/CD, JSON Web Token (JWT), **Elasticsearch**, **Kibana**, **Logstash**