

JAYENDRA MADARAM

BLOCK CHAIN
ENGINEER



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[jayendramadaram](#)



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About Me

I am a passionate Resourceful Blockchain Developer from India. Mastered Typescript, Rust, Solidity and Python. Extensive knowledge in Smart contracts, Distributed Computing, Cryptography and Data structures. Looking for a job as a Blockchain Developer that will allow me to build the financial system of tomorrow.

Experience

Freelancing 2020

Bot engineering and automation

- Developed automation tools, traffic bots, and AI chatbots
- Utilized frameworks: Selenium, PyAutoGUI, APIs, custom SDKs

British Desire 2020 - 2021

Data engineer at an Ecommerce store

- Led data engineering for e-commerce
- Built efficient pipelines and custom apps for real-time data manipulation
- Automated Shopify workflows using Python
- Expertise in GraphQL, web scraping (BeautifulSoup), and data structures

Genoparadigm 2021 - 2022

Full Stack developer

- Developed scalable full-stack apps and AI implementations
- Managed microservice architecture: Python Flask, MongoDB, TCP
- Built server-side rendered webapps: Next.js, TypeScript, Redux
- Worked with DICOM files in medtech

Blockchain developer 2021 - 2022

- Mastered Web3 and blockchain technologies
- Developed products on Ethereum, Avalanche, NEAR, and The Graph
- Utilized Solidity, Rust, TypeScript, Next.js, Nest.js, React-Vite
- Experienced with ERC20/721, DAOs, custom wallets, IPFS, and trading bots

Blockchain Developer at Catalog (2023 - 2024)

- Focused on cryptography and decentralized systems
- Worked on orderbooks, market makers, consensus algorithms
- Developed signature schemes, threshold signatures, encryption standards
- Expertise in Ethereum, Bitcoin, and Solana blockchains
- Specialized in zero-knowledge protocols, particularly zk-SNARKs

Bitcoin Summer of Code 2024 [Braidpool Blockchain Developer]

- Finalist working on cryptography
- Developing new UTXO-style transaction model for distributed mining pool protocol

Education

2023

Neil Gogte Institute of
Technology

Pursuing my computer science degree and
building web3 scalable products .

Language

Typescript	<div><div></div></div>
Python	<div><div></div></div>
Solidity	<div><div></div></div>
RUST	<div><div></div></div>

Tools and frameworks used

- Nextjs / Nestjs
- Solana And Bitcoin
- GraphQL/apllo
- Prisma/SQL & NO SQL
- Node - express
- truffle - hardhat / nersdk
- Tailwind
- Docker
- rabbitMQ / websockets
- Ethereum / EVM based
- Near protocol
- web3js, brownie

CERTIFICATIONS AND ACHIEVEMENTS

- Certified Ethereum Developer by Cadena.
- Certified python developer.
- Summer of Bitcoin Finalist 2024
- Been in second position for developing end to end Ai platform for complete rural healthcare remote diagnosis competing with 30+ teams in megathon.

PROJECTS

- Hyperledger based permissioned real estate protocol.
- Defi banking protocol.
- Blockchain based e-voting.
- Scalable App to list your used products and resell them.
- Anonymous crime reporting and crypto rewarding system with crime detection NLP, Deep Learning models.

NON TECHNICAL ASPECTS

- National Martial arts Gold medalist (taekwondo).
- Working in a team motivates me to give my 100% every day. Collective intelligence is the most powerful tool for companies.
- Prioritizing is why I use 100% of my energy and mental capacity for the most complex and thought-provoking tasks.

DECLARATION

I hereby declare that the details and information given above are complete and true to the best of my knowledge.

JAYENDRA.M