Axat bhardwaj

Blockchain and Backend Developer

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SKILLS

Technologies: Blockchain │ smart contracts │ Backend │ Ethereum/EVM │ RAG │ AI-Agents │ Dapps │ Layer2 Rollups

programming Languages: Python │ Solidity │ Javascript

Frameworks and libraries: Hardhat │ foundry │ Fast API │ Express-js │ Ethers.js │ op-stack │ web3.py

PROFESSIONAL EXPERIENCE

Valory, *Python Engineer* 🔗   Jul 2025 – Present │ Remote
- Core contributor to meme-ooorr, an autonomous AI agent framework for Twitter engagement and persona management using Open-Autonomy; implemented agent performance tracking, Twitter interaction storage, and AgentDB integration
- Set up and maintained the data layer via subgraphs for the company , built and deployed 10+ subgraphs including service-registry, staking, tokenomics, mech-marketplace, governance, predict, and liquidity across 8+ networks
- Developed 4 custom Mech tools for on-chain AI task execution: Google Imagen, Stability AI, Recraft image generation, and an automated short video creation pipeline

FreeLancer, *Sr. Blockchain Engineer - Freelancer*   Oct 2024 – Jul 2025
- Developed 6 smart contract for creating stable coin,native token,Multi-sig treasury,Multi-sig vaults..etc
- Lead a team of 5 Developers to Develop & Deploy a Layer 3 roll-up using OP-stack on base l2
- created and maintained An Crypto-AI agent , which was responsible for launching memetokens on base and celo chains after creating a narrative on x.com 🔗 and then analysing user feedback using Open-autonomy framework
- Built a robust backend service to capture and persist Twitter interactions from deployed agents, providing a reliable historical data repository for future reference and analysis, **handling 4,000 daily transactions**

Infrablok India Pvt. Ltd., *Software Engineer - Blockchain*   Nov 2022 – present │ NCR, India
- **Led the design and development** of the foundational blockchain infrastructure for enterprise clients, ensuring scalability and robustness.
- First point of contact For Blockchain in the organization.
- Responsible for setting up and maintaining an Ethereum Blockchain Archive node for EVM API services. having **100% uptime** for 5 months straight
- Responsible for fetching data from the Archive node for EVM API for various operations using ethers.js and viem.js.
- Developed , Deployed & Optimised 9 Smart contracts for an in-house Supply chain management tool.
- developed Backend for Node on-demand product
- Helped in Setting up a Smart contract audit team for the organization.

SOLULAB INC., *Blockchain Developer* 🔗   Jun 2021 – Nov 2022
- Designed and Developed a custom TOKEN standard for an Inhouse product and Developed a successful product using the same
- optimized /Made alternative EVM Smart contracts to **reduce gas fees by 40%** on average, Saving $10,000+ in gas fees per contract yearly
- Worked extensively on **30+ Smart contracts** required on projects involving various ERC and EIP standards (ERC20, ERC 721, ERC 1155, ERC 223, ERC 777, ERC 1400, etc..)
- Design a scalable Network Architecture based on client requirements.
- Responsible for mentoring 11 Jr. Blockchain Devs and Helping them with all of their technical queries
- Worked on technologies like Meta-Transactions, ZK-rollups, Consensus algorithms, IPFS, custodial services, Client patents, etc..
- Go Ethereum and Tron Pvt. Blockchain set up and white-labeling
- Hands-on experience setting up environments for Blockchain Networks (Public)

PROJECTS

AI Agent - meme-ooorr 🔗   Nov 2024 – present
- Core Contributor to Autonomous AI Agent Framework: Contributed to the AI agent responsible for Twitter engagement and persona management using Open-Autonomy, implementing agent performance tracking and AgentDB integration
- Enhanced Social Media Engagement with Automated Multimedia Integration: Developed and integrated image and video generation capabilities into the AI agent, **automating rich content creation for Twitter**, and significantly boosting audience interaction.
- **Engineered a High-Volume Twitter Interaction Storage Service:** Built a new service to efficiently **capture and store 4000+ daily Twitter interactions**, enabling persistent persona management for multiple AI agents.

- **Automated Social Media Content Creation:** Implemented automated image and video content generation for Twitter, increasing content output and audience engagement.
- Developed Custom Mech Tools for On-Chain AI Tasks: Built 4 tools for image and video generation (Google Imagen, Stability AI, Recraft) with automated voiceover, soundtrack composition, and IPFS storage

L3 rollup on Base   ⌗   Sep 2024 – Nov 2024
- Developed six smart contracts for the creation of stablecoin, native tokens, multi-signature treasuries, and multi-signature vaults.
- Led a team of five developers in the development and deployment of a Layer 3 rollup using the OP-stack on Base Layer 2.
- Configured rollup parameters for the Layer 3 OP-proposer, OP-node, and OP-batcher to achieve optimal data availability.

Real Estate Tokenisation   Jan 2022 – Nov 2022
- Designed and Developed a New custom TOKEN standard
- Designed the flow of the Project and how blockchain can be utilized efficiently
- Developed 5 smart contracts responsible for the minting of Tokens, Rental Management, Multi-signature agreement, and Marketplace

NFT MarketPlace   Nov 2021 – Jan 2022
- Responsible for Implementing Payout Flow of NFT marketplace
- Developed & Deployed 3 Smart contracts for Payout management on polygon
- Closely involved in the integration and testing of the contracts

EVM APIs   Feb 2023 – May 2023
- Set Up and Maintained Ethereum main net Archive Node for **over 7 months**.
- Developed Scripts to Fetch relevant Data from the ETH Node to serve the APIs using Ethers.js and Viem.js.
- Acting as the private node for the company have **95% uptime**

Node on Demand   May 2023 – May 2024
- Developed A one-click solution for deploying Nodes of Ethereum Mainnet using express.js and Bash.
- Developed and Designed the Backend for the Application. responsible for installing execution and consensus client for Ethereum main net and launching the node.

EDUCATION

Dr. A.P.J. Abdul Kalam Technical University, *B.Tech*   Aug 2017 – Aug 2021

Little flowers Public Sr. Sec. School, *Class 12th*   Apr 2016 – Apr 2017

CERTIFICATES

Ethereum Blockchain Developer Bootcamp With Solidity (2022) ⌗ — *Udemy*

Introduction to EOSIO - Non-technical ⌗ — *eosio training & certification*

Introduction to EOSIO - Technical ⌗ — *eosio training & certification*

Blockchain Basics - Coursera ⌗ — *University of Buffalo*

Metaverse Masterclass- Learn Everything about the Metaverse! ⌗ — *Udemy*

ACHIEVEMENTS

Gas optimization   Mar 2022
Reduced contract's gas fee by 50% for a client by making an alternative contract, saving $10,000+ yearly

Employee Of the month, *Solulab*   Nov 2021

Vishwakarma Awards, *AICTE*   2019
National Level