Abhik Banerjee

Location: Kolkata, WB, India 700084
Ph: (+91) 7699568790
Mail: abhik@abhikbanerjee.com
Website: abhik.dev
LinkedIn: linkedin.com/in/origin0/

A Fullstack Web3 Developer with a flexible mindset focused on the target.

Keywords: Fullstack Developer, Blockchain, Solidity, Ethereum, Hardhat, Openzeppelin, Smart Contract Vulnerability Testing, React, Javascript, Go, Rust, Zero Knowledge Proofs, Circom, Chainlink, Polygon, ERC-721, ERC-1155, Docker, Team Leading.

Skills

- **Blockchain Development** – 2 years of working experience as a Web3 Developer. Can develop smart contracts and handle deployment across Ethereum or spin up private networks using Hyperledger Besu or Fabric for same for projects ranging from NFT, Defi, and Zero-Knowledge Proofs.

- **Due Diligence** – Taking a research-based approach to framing reports which offer technical understanding of a new project but at the same time caters to other non-technical teams

- **Fullstack Web Development** – Can build you a modular website with provided UI using React & MUI along with scalable backend in NodeJs and host it on your favorite hosting provider be it Heroku or any Cloud Platform (GCP, AWS, Alibaba etc.)

- **Cloud Infrastructure** – Can build you a pipeline for your GCP project or adapt it to any other cloud platform and help deploy your project with proper maintenance.

Work Experience

Wits Innovation Lab,
Fullstack Web3 Developer   04/2022-present
Tech Stack: Solidity, Rust, Javascript, ReactJs, Vite, Material UI, Ethereum, Binance Smart Chain, Polygon

- Lead a Team of Web3 Developers across different projects.
- Develop Secure and Efficient Smart contracts and deploy on EVM-compatible and other chains.
- Co-ordinate with Frontend and other teams for seamless integration of Blockchain into solutions.
- Audit smart contracts manually and with static analysis tools in a Sandbox environment to find and remove vulnerabilities.
- Build Proof of Concepts around upcoming projects in Web3 to assess relevance to investment criteria.
- Do R&D and due diligence on prospective Web3 projects for clients.

EBUY Network,
Web3 Developer (Freelance)   04/2022-09/2022
Tech Stack: Javascript, ReactJs, Material UI, Ethereum, Binance Smart Chain, Polygon

- Created and deployed a modular website for staking of tokens and associated services including but not limited to Airdrops, Decentralized Exchange and Rewards.
- Manage deployment infra with auto-build and deploy switch with Git.

Destinyworld, Remote
Frontend Developer (Fulltime)   05/2021-06/2022
Tech Stack: Javascript, ReactJs, NextJs, Material UI

- Develop the frontend on React using Material UI and connect it with their blockchain backend set up on EOS.
- Manage the Codebase post deployment.
- Milestone hit with this DeFI Project being live for one year now.

Summer of Bitcoin,
Open-Source Developer   07/2021-09/2021
Tech Stack: Rust, rust-lightning, LDK

- Worked on Lightning Network – Layer 2 Scaling for Bitcoin.
- Integrated Route hop hints for better path recognition in the Rust SDK of Lightning Network.

Patents and Publications

1. **(Patent)** Registration Number: 202131034673 | Method and System for implementing a Secure Blockchain Framework in an IoT Environment.
2. **(Patent)** Registration Number: 202031041101 | Design of ID-Based and Attribute-based Cryptography for Implementation of Online Voting Prototype using Blockchain.
3. **(Copyright)** Registration Number: L-99088/2021 | Blockchain-based Edge Computing for Behavioral Analytics for Industry 4.0

Certifications

1. IELTS Academic (7.5 band) | (TRF - 22IA003466BANA003A)
2. AZ-900 (Microsoft Azure Fundamentals) | Credential ID – H255-6645
3. Google Cloud Certified - Associate Cloud Engineer | Credential ID - fec6a98e-63e7-4e49-bafe-ab04fe89be68

Education

Bachelor in Technology (Major in Computer Science and Engineering), 2021, Netaji Subhash Engineering College, Kolkata, West Bengal, India. 700152.

Other / Misc

Languages: English, Bengali, Hindi
Hobbies: Writing Tech Blog, Learning new skills, Cat care.