

NODEMETA

Empowering the Decentralized Future on BNB Smart Chain

Backend Engineer — Blockchain Indexing & Marketplace

Remote | Full-time | \$112,000 – \$148,000 USD/year

The marketplace is only as good as the data behind it.

You'll build the indexing and API layer that turns raw blockchain events into a fast, searchable, reliable experience for every user.

About NodeMeta

NodeMeta is a Web3 ecosystem built on BNB Smart Chain, founded in August 2025 by Sohel Mazumder. We're not building another copy-paste DeFi fork — we're creating real products that connect blockchain utility to everyday use cases.

Our native token NTE (Node Meta Energy) is live on BNB Smart Chain with a capped supply of 11 billion tokens and a 10-year halving strategy. The mining and staking ecosystem is already operational, with users earning daily rewards through our decentralized node-based infrastructure.

We were recognized as the **Best Decentralized Ecosystem at the 2025 Evergreen Awards** — and now we're building the team to deliver on the next phase.

Founded	August 2025
Founder	Sohel Mazumder
Blockchain	BNB Smart Chain (BSC)
Token	NTE (Node Meta Energy) — BEP-20
Token Supply	11 billion NTE (capped), 10-year halving strategy
Team	Distributed / fully remote
Website	https://node-meta.com

What We're Building — Product & Development Status

NodeMeta is developing four interconnected products. Here's what's live, what's in active development, and where this role fits in:

1. Mining & Staking Ecosystem

Status: **LIVE** ✓

The foundation of NodeMeta. Users participate in a decentralized node-based mining system and earn daily NTE rewards. The staking smart contracts are deployed on BSC mainnet and operational.

Your involvement: Monitor and index staking events from existing contracts. Build APIs to serve staking data to the frontend.

2. NFT Marketplace

Status: **IN ACTIVE DEVELOPMENT** — architecture phase

A decentralized marketplace for NFTs with real-world utility. NFTs on our platform unlock benefits, access, and rewards within the NodeMeta ecosystem. The marketplace will support minting, listing, bidding, trading, and on-chain staking with per-second reward accrual.

Your involvement: This is the core of your role. Build the off-chain indexing infrastructure — listen to on-chain NFT events (minting, listing, transfer, bid), store them, and serve them through fast REST APIs. Design the marketplace search, filtering, and pagination.

3. SmartCommerce

Status: **IN DEVELOPMENT** — design phase

A platform where users spend NTE tokens on real digital and physical goods — bridging blockchain and everyday commerce. SmartCommerce requires on-chain payment contracts, settlement logic, escrow mechanisms, and integration with off-chain fulfillment systems.

Your involvement: Build the order management backend — track payments, connect to fulfillment systems, handle order status updates.

4. GreenCommerce

Status: **PLANNED**

An exclusive marketplace for environmentally friendly products. GreenCommerce will share the SmartCommerce infrastructure with sustainability-focused features.

Your involvement: Future phase. APIs you design now will extend to serve GreenCommerce product listings.

You're the bridge between on-chain data and user experience.

Every NFT listing, bid, and transaction the frontend displays comes through your APIs.

Technical Environment

- ▶ **Blockchain:** BNB Smart Chain (EVM-compatible)
- ▶ **Backend:** Node.js, Express
- ▶ **Database:** PostgreSQL (primary), Redis (caching, real-time)
- ▶ **Indexing:** The Graph or custom indexer for on-chain events
- ▶ **Storage:** IPFS / Arweave for NFT metadata
- ▶ **API:** REST API (GraphQL optional)
- ▶ **Testing:** Jest or Mocha/Chai
- ▶ **Infrastructure:** Docker, AWS/GCP

What You'll Do

Blockchain Indexing

- ▶ Build and maintain indexers for on-chain NFT events (listings, bids, transfers, staking)
- ▶ Handle chain reorganizations — ensure data consistency when blocks are reorged
- ▶ Sync historical data and process real-time events reliably

Marketplace API

- ▶ Design and build REST APIs for NFT browsing, search, filtering, and detail views
- ▶ Implement bidding system with validation, highest-bid tracking, and outbid notifications
- ▶ Build transaction history endpoints with pagination
- ▶ Manage NFT metadata retrieval and caching (IPFS/Arweave)

Data & Performance

- ▶ Design database schema for marketplace data (listings, bids, transfers, user activity)
- ▶ Implement caching strategies for frequently accessed data

- ▶ Ensure consistency between on-chain state and off-chain database
 - ▶ Build monitoring and alerting for indexer health and API performance
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What We're Looking For

Required

- ▶ 2+ years backend development with Node.js and Express
- ▶ Experience with PostgreSQL and Redis
- ▶ Understanding of REST API design, pagination, and error handling
- ▶ Familiarity with blockchain event processing (The Graph, custom indexers, or similar)
- ▶ Experience handling data consistency challenges in distributed systems
- ▶ Clear written communication in English for async collaboration

Nice to Have

- ▶ Experience with IPFS or Arweave
 - ▶ Prior work on NFT marketplaces or DeFi backends
 - ▶ Experience with The Graph (subgraph development)
 - ▶ Knowledge of chain reorg handling and event ordering
 - ▶ Docker and container orchestration experience
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What We Offer

- ▶ **\$112,000 – \$148,000 USD/year** — competitive and negotiable based on experience
 - ▶ **Fully remote** — work from anywhere in the world
 - ▶ **Real ownership** — build the data layer from scratch
 - ▶ **Direct impact** — small team, your APIs power the entire marketplace
 - ▶ **Ground-floor timing** — proven foundation (live staking) + greenfield products
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Hiring Process

We respect your time. Our process is fast, practical, and focused on real skills:

<https://node-meta.com>

Step 1: Application Review

We review your portfolio, deployed work, and GitHub.

Step 2: Simple Conversation (20–30 min)

An async conversation covering your background, motivation, and foundational technical knowledge.

Step 3: Technical Assessment (1 hour)

A hands-on coding project in a provided scaffold repo. No leetcode, no algorithm puzzles. Just practical work that mirrors what you'd actually be building here.

Step 4: Technical Interview

A deeper discussion based on your assessment submission.

Step 5: Offer

Team debrief, reference checks if applicable, and offer.

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Best Decentralized Ecosystem — 2025 Evergreen Awards

NodeMeta recruiters will never ask candidates to send cryptocurrency, share wallet seed phrases, pay application fees, or purchase equipment using personal funds.