

Henry Hadi Eb

Blockchain Backend Dev

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SUMMARY

I began my blockchain journey developing smart contracts on the TRON network, and later combined my expertise in backend development with the power of .NET. While I've worked across multiple domains, my current focus is on building scalable backend systems using ASP.NET Core, with a strong emphasis on Web3 integration, including smart contract interaction, trading data aggregation, and on-chain analytics. I also enjoy creating backend utilities that support decentralized applications and enhance the Web3 developer experience.

Blockchain Skills(>5 years)

- Blockchain Fundamentals: UTXO/account models, consensus algorithms, smart contracts
- Web3 Development (EVM & Solana): Smart contract integration and interaction
- DeFi Protocols: Understanding of swaps, liquidity pools, yield farming, staking
- Token Standards: ERC-20, ERC-721, ERC-1155, TRC-20
- Smart Contract Development: Solidity, Truffle, Hardhat, Ganache
- Smart Contract Testing: Unit testing with Hardhat/Truffle, JS Unit tests
- Anchor Framework (Solana): Familiar with Solana smart contract development
- DApp Fundamentals: Frontend-backend integration with Web3 (ethers.js, web3.js)
- Tokenomics & Whitepaper Analysis
- Nethereum Library: Interacting with Ethereum blockchain in C#/.NET
- Play-to-Earn (P2E), Move-to-Earn (M2E), Trade-to-Earn (T2E): GameFi and incentive mechanics knowledge
- Tools & Libraries: Web3.js, ethers.js, Nethereum, Solana Web3 SDK
- Backend-Blockchain Integration(And their WSS): Infura, Moralis, Quicknode, TheGraph
- Multichain Experience: Tron, Eth, BSC, Solana, Polygon, NEAR

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Backend Skills(>6 Years)

- C#.NET
- ASP.CORE WebAPI
- OOP/ Design Patterns
- MS, MySQL, SQLITE
- Git, Svn
- JS/HTML/CSS
- Socket/WebSockets/SignalR
- EF Core/ Familiar with dapper
- Unit Testing
- DDD/ Layered Architect
- Redis
- Familiar with NoSQL
- Familiar with Nodejs(Express)
- Graph and gRPC

EXPERIENCES

Blue Ocean Company (app.bbterminal.com/degen)—Under NDA

- Designed and implemented a scalable ASP.NET Core 8 Web API backend for a real-time on-chain trading and analytics platform similar to Dexscreener.
- Designed and implemented a Crypto Portfolio Management System with real-time data aggregation, wallet integration, and performance tracking features using ASP.NET Core and blockchain APIs.
- Integrated and normalized data from multiple blockchain APIs and data providers (EVM chains, Solana, etc.) to deliver unified token, swap, and transaction analytics
- Developed services to aggregate live and historical trading data using WebSockets, REST APIs, and background workers
- Implemented caching, throttling, and retry strategies to ensure reliable and high-performance data ingestion
- Built internal tools and endpoints to support DeFi protocol tracking, token discovery, and liquidity monitoring
- Applied Clean Architecture and Domain-Driven Design (DDD) principles for maintainable and testable codebase
- Worked under strict confidentiality and data handling guidelines due to NDA

Titan Telegram Game

- Created a tap-to-earn merging game exclusively for the Telegram app and Ton network.
- Planned, managed the team, and developed the backend using .NET.
- Developed the client side using Construct 3 and JavaScript.
- Integrated .NET 8 Web API with HTTP protocol and Swagger.
- Employed EF Core with MySQL.
- Set up a separate test environment for polishing new features.
- Used Google Sheets for core game design, enabling easy data management without production updates.
- Integrated Telegram authentication and TON Web3 in .NET.
- Developed utility tools for managing users.
- Successfully coordinated with clients and stakeholders.
- Set up a streamlined debug and testing workflow with the testing team and QA.

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Nick Polygon Web3 Hearts Card Game

- Developed an Android 2D multiplayer crypto hearts card game using GameMaker Studio 2 and ASP.NET Web API.
- Planned, managed the team, and led backend development.
- Communicated effectively with clients and stakeholders.
- Developed smart contracts on the Polygon chain in .NET.
- Secured HD wallets and implemented Web3 deposit and withdrawal mechanisms.
- Utilized GML programming for the network side of the game in GameMaker Studio.
- Integrated email/password authentication with OTP.

Nick NFT Generator and Collection

- Developed a C# .NET WinForms application to generate NFTs following the ERC-721 metadata schema
- Generated and managed a 30,000-item NFT collection, hosted on IPFS via Pinata and listed on Rarible
- Built a custom tool to analyze NFT holder distribution, transfer history, and sales data
- Built Telegram and twitter Airdrop bots.

Nick Quickswap Trading Bot

- Created a C# .NET WinForms on-chain trading bot for Polygon (Quickswap)
- Implemented HD wallet support and automated multi-wallet trading functionality
- Utilized the Nethereum library to interact with smart contracts and execute trades programmatically

BoomLuck BSC Game

- Created a crypto-based web gambling game on the BSC chain.
- Coordinated effectively with clients and stakeholders.
- Developed the backend using ASP.NET Web API.
- Developed and managed Solidity smart contracts.
- Integrated backend communication with BSC smart contracts.
- Utilized SQL Server and EF Core.
- Web3 authentication

Tron ICO and Energy Contracts

- Developed TRC-20 token ICO smart contracts for TRON-based fundraising campaigns
- Collaborated with frontend developers to integrate contracts using TronLink and TRON Web APIs
- Created a TRON energy management smart contract to optimize transaction costs