FAHAD UDDIN

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Professional Summary

Experienced full-stack developer and entrepreneur with 5+ years specializing in decentralized applications and Web 3 technologies. Co-founder of Folionomics, with a proven track record in leading teams, scaling startups, and delivering robust solutions in blockchain and software development.

Skills

- **Languages:** Solidity, TypeScript, JavaScript, GoLang
- **Frameworks/Libraries:** React, Redux, Node.js, Express.js, Next.js
- **Blockchain:** Ethereum, ERC20, ERC721, Smart Contracts, Web3.js, Ethers.js
- **Databases:** MongoDB, Redis
- **DevOps:** Docker, Kubernetes, AWS, GitLab CI/CD
- **Other:** RESTful APIs, GraphQL, IPFS, Microservices Architecture

Professional Experience

Co-Founder & Senior Full Stack Developer   Folionomics, Toronto, ON | October 2023 - Present

- Co-founded and lead development of a DeFi application, overseeing all technical aspects of the project

- Manage and mentor a team of developers, fostering growth and making critical technical decisions - Spearhead frontend development using Next.js, resulting in a 25% improvement in application performance

- Oversee backend development in GoLang, conducting thorough code reviews to ensure 99.9% uptime

- Architected and implemented AWS Cloud infrastructure, reducing operational costs by 30%

- Developed a single-use wallet service in Golang, supporting BIP32, 39, and 44 standards

Fullstack Blockchain Developer   Northern Labs, Toronto, ON | May 2022 - Oct 2023

- Led blockchain engineering efforts, developing compliant crypto payment rails integrated with existing payment processor

- Built scalable RESTful APIs meeting 10 transactions/second requirement, improving system throughput by 40%

- Contributed to frontend development using Next.js and backend services using Golang - Conducted smart contract audits, identifying and resolving 5 critical vulnerabilities

- Developed and deployed ERC20 and ERC721 tokens, successfully bridging them to Polygon mainnet

Fullstack Blockchain Developer   **Sightline Innovations, Toronto, ON** | Sept 2019 - April 2022

- Developed smart contracts using Solidity and OpenZeppelin, reducing gas costs by 25%

- Implemented IPFS-based backend storage system, improving data retrieval speed by 50%

- Built GraphQL backend services and React frontend components with Web3 integration

- Created custom Hardhat tasks and deploy scripts, streamlining the development workflow

- Implemented CI/CD pipelines using GitLab, reducing deployment time by 60%

Consulting Projects

ChainTokenomics (2021)

•   Led a team of 5 developers to transform a business idea into a viable product within 3 months

•   Architected system design and managed feature breakdown for frontend, backend, and cloud operations *https://chaintokenomics.io/*

Titan1Studios NFT Collection (2022)

•   Implemented ERC-721A smart contract for VR game NFT collection

•   Developed custom whitelisting smart contract using Merkle tree for gas optimization *(https://github.com/fuddin95/merkle-tree)*

Open Source Contributions

•   Contributed to gin-swagger for API documentation (https://github.com/swaggo/gin-swagger)

•   Improved go-hdwallet library for generating wallet addresses https://github.com/foxnut/go-hdwallet/pull/11

Education

Bachelor of Applied Science in Electrical and Computer Engineering

University of Toronto | September 2014 - May 2019

Certifications

•   Master in Ethereum and Solidity (2021)

•   Smart Contract Security Auditing (2022)

•   TypeScript: The Complete Developer's Guide - React (2020)

•   Damn Vulnerable DeFi - Smart Contract Hacking Challenges (2022-2023)

•   Go Bootcamp: Master Golang - Udemy (2023)