AMMAR HAIDER

BLOCKCHAIN DEVELOPER ♦ PAKISTAN ☎ +92-(306)-6299404

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⊙ LINKS ⊙

ammarhaider.dev

github

linkedin

stackexchange

stackoverflow

telegram

twitter

discord

upwork

⊙ SKILLS ⊙

NodeJS

Ethereum

Smart Contracts

Solidity

ExpressJS

NestJS

Geth

PostgreSQL

Kubernetes

Docker

React

NextJS

GraphQL

Subgraphs

MongoDB

Linux

Python

Git

JavaScript

HTML & CSS

Typescript

👤 PROFILE

Innovative problem solver with a proven track record in devising cutting-edge **Web3** solutions with a strong background in **Full-Stack Development**.

In addition to have mainly built Decentralised applications on **EVM (Ethereum Virtual Machine)** based blockchains (Layer1 & Layer2) I have experience with **Arweave** Chain and **Solana** as well.

Blockchains: Ethereum (and it's forks), Layer 1 Blockchains, Arweave (AO Protocol), Solana

Smart Contract: Solidity, Lua, Rust

Frontend: ReactJS, NextJS, VueJS

Backend: ExpressJS, NestJS, Django Rest Framework

💼 EMPLOYMENT HISTORY

Blockchain Developer - Top Rated at Upwork
January 2019 — Present

Liquidity Sniping Tool

Overview: buys a newly launched token as soon as liquidity is added for the respective Liquidity Pool.

Tech: Smart Contract, NodeJS, Geth, Linux, Metamask, Remix
Chains: Ethereum, Binance Smart Chain

- Trades yielded up to 200% profit owning to efficiently coded script
- Smart Contract developed that to execute multiple "buys" in a single transaction hence yielding **3 times more profit** and reduction in gas cost by almost 60%
- Full Node setup on AWS EC2 instance using **Geth**, using this Full Node unlocked the sniping in the same block as the liquidity transaction. This was a huge improvement.
- **0% loss probability** achieved by implementing anti-bot and trade simulation features.

Thorfi Staking Platform

Overview: Rewards Yielding platform, built on top of **Vesper** Protocol

Tech: Smart Contract, ReactJS, Material UI, Subgraph, API Integration

- Deposits worth **$200,000** were registered **within a week** of the launch.
- **Broadened user engagement** with multiple staking options, ensured a seamless transition for users, and introduced innovative, scalable staking mechanisms that strengthened ThorFi's DeFi presence.
- **Enhanced $THOR utility** through a "Stake-to-Access" model for Vesper Pools.
- **20 % drop** in emissions by replacing SSS (Single-Sided Staking) pools and generated additional revenue through staking fees and $VSP earnings.

NFT Auto Minter / Auto Generator

Overview: A tool for launching NFT Collections by generating NFT's from "layered images"

Tech: ERC721A Upgradable Contracts, ERC1167 Proxy Clone, MERN Stack, BullMq, Redis, Firebase, IPFS, Subgraph

- Led the development of the NFT Factory Contract. Extended the ERC1167 Proxy Clone, enabling the deployment of **over 1000 NFT collections**.

Rust
Golang
Wagmi
Thirdweb
Vite
Django
Python
Postgres
SQL
Arweave
Ethereum
Avalanche
Subnets
LayerZero
Openzeppelin
Remix
Hardhat
Ganache
Truffle
AWS
GCP
Moralis
Geth
EthersJS
Web3

- Engineered ERC721A Contract with Random Minting and ERC2981 On-Chain Royalty features, successfully **reduced minting gas costs by 10 times**, while standardizing royalty payments for 90% of the marketplaces.
- Self hosted IPFS Node for NFT metadata and image storage, this reduced the response time by 90% and supported over 1 million data requests.
- Designed and implemented a job queue processing architecture using BullMQ, enabling seamless generation of up to 10000 NFTs per request, reducing processing time from 6 hours down to 1 hour.

Full-Stack DevOps Engineer at Permission.io, Seattle, United States
January 2023 — Present

permission.io is a web3 platform that rewards users in ASK (ERC20 Token) for sharing their personal data.

- **helm**ified the existing **"Proof of Authority"** blockchain infrastructure and deployed on **Kubernetes** which enabled scalability, HA (High Availability) and enhanced security by storing the **signer** (poa nodes) private keys to hashicorp **vault** instance.
- Developed Airdrop **Smart Contract** which distributed the ASK Tokens to more than 1000 wallets in a gas-efficient way. The Airdrop were done in batches of 250 wallets and fireblocks multi-sig ensured the transfers were authorised. The process was automated after deploying script on GCP VM.
- Developed an advanced Airdrop system that enabled tokens to be claimed from the Smart Contract, with wallets whitelisted via **"Merkle Trees"**.
- translated the existing cloud infrastructure to more optimized **terraform** code and migrated from AWS to GCP hence resulting in **potential cost savings of up to 80%**.
- Streamlined Agile software delivery, reducing deployment time by **30%** and increasing development efficiency by **25%**, ensuring continuous integration and delivery across the team.

Associate Software Engineer at i2c Incorporate, Lahore, Pakistan
June 2020 — June 2021

- Developed a secure Credit Card Management module for the product generating up to **$9 million annually**.
- Led efforts in system reliability through bug fixes and maintenance while ensuring timely delivery of enhancements in a fast-paced Agile environment.

🎓 EDUCATION

BSCS, National University of Computer and Emerging Sciences, Lahore, Pakistan
July 2016 — July 2020

Graduated with a CGPA of 3.30