

CAHAYA ALYSSA

Full Stack and Blockchain developer

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Selangor, Malaysia

EXPERIENCE

Blockchain Developer | Freelance

- Developed Solana smart contracts, including staking, identity minting, and DAO voting.
- Built and optimized DeFi smart contracts for staking, yield farming, and slashing mechanisms.
- Integrated Web3 front-end solutions with advanced smart contract functionalities.
- Developed a decentralized order-book trading system with efficient order execution.
- Designed APIs and SDKs to streamline third-party integrations with Web3 platforms.
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Solana & Ethereum Smart Contract Developer | Web3 Startup

- Engineered and deployed high-performance smart contracts on Solana and Ethereum.
- Improved DAO voting mechanisms and governance decentralization.
- Developed minting identity contracts to establish verifiable on-chain identities.
- Built a robust staking and slashing system for decentralized protocols.
- Implemented Web3 portals, protocol dashboards, and trader portals.
- Led audits and security reviews for smart contract deployments.

PROJECTS

Decentralized TaskEngine for AI Agents

Built a Solana-based task execution and payment system

DeFi Staking & Yield Contracts

- Developed smart contracts for staking, yield optimization, and slashing.

Web3 Identity Minting

Created a decentralized identity verification system on-chain

Order-Book DEX Optimization

Enhanced order execution mechanisms and trading efficiency

TaskNet Oracles

Developed secure oracles integrating with external data sources

ZkTLS Solutions

Implemented privacy-preserving security features for blockchain transactions

Dune Analytics & Web3 Portals

- Designed dashboards and portals for protocol transparency and analytics.

EDUCATION

Master of Science in Computer Science

Universiti Putra Malaysia

Serdang, Selangor

SUMMARY

Blockchain engineer with 4+ years of experience in software development and 2+ years specializing in Web3 and smart contract development. Proficient in Solidity and Rust, with expertise in Solana, Ethereum, and decentralized applications. Passionate about building scalable, secure blockchain solutions, including staking contracts, decentralized identity, and DeFi integrations. Adept at collaborating with cross-functional teams and contributing to open-source blockchain innovations.

SKILLS

Program Languages:

Solidity

Rust

JS

TS

Python

Blockchain & Web3

Solana

Ethereum

IPFS

DeFi & Smart Contracts

Staking

Yield Farming

Slashing

DAO Voting

Order-Book DEX

Infrastructure & Oracles

TaskNet

Chainlink

TheGraph

ZkTLS

Frameworks & Tools

Anchor

Hardhat

Foundry

Ethers.js

Web3.js

OpenZeppelin

Development Practices

Code Audits

Smart Contract Security

Gas Optimization

Frontend & APIs

React

Next.js

Web3 SDKs

Dune Dashboard Development

Other

JIRA

Agile Development

Git

CI/CD Pipelines