

# Aroon Kessani

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## Professional Experience

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### Protocol Architect and Smart Contract Engineer

2023/02 – present

*Cashflow App* ↗

- Research, design and develop protocol architecture focusing on scalability, security and gas efficiency.
- Develop vault smart contracts across different chains to Integrate AMMs and farming to compound user's earnings.
- Developed smart contract library based on concentrated liquidity AMMs to optimally swap single asset into other to provide liquidity.
- Integrate different staking contracts to aggregate on user's deposit.
- Integrate lending borrowing protocols to diversify user deposit options.

### Blockchain Engineer

2021/10 – 2023/08

*Xord* ↗

- Provide consultancy to clients and development teams on blockchain-based services and products.
- Research on active problems in the blockchain space and develop solutions.
- Research on ERC-4337 Account Abstraction, Infrastructure such as Bundler to Support Smart Contract Wallets.
- Developed smart contract wallet, social recovery and paymaster smart contracts to support non-native payments to improve the UX of dapps.
- Developed smart contract to facilitate limit order also utilize CoW swap if user's trade is idle for some duration.
- Developed smart-contract for non-collateral based NFT lending borrowing on revenue sharing and rent model.
- Developed CLM (concentrated liquidity manager) vault on top off Quickswap-V3, to keep lp position intact for maximum fees earning.
- Developed dex aggregator contract utilizing Balancer-V2 and Uniswap-V2.

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## Skills and Interests

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### Programming Languages

Go-Solidity-TypeScript-SQL

### Chain-link Protocol

Oracles-DataFeeds-VRF

### Backend and Smart Contract Frameworks

Nodejs-Etherjs-Web3j-Foundry-Hardhat

### Applied Zero Knowledge

Zero Knowledge Proofs

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## Education

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### Bachelors of Computer Science

*Foundation for Advancement of Science & Technology (FAST)*

2017/08 – 2021/06

Karachi, Pakistan