

Dhaval Davra

Architect/Team-lead Lead Blockchain Engineer

SUMMARY

- Lead Blockchain Engineer with 6+ years in software engineering and 5+ years specializing in Solidity and DeFi protocol architecture on EVM-compatible chains.
- Expertise in designing and deploying upgradeable DeFi vaults (ERC-4626), AMMs, DEXs, order-book trading systems, and yield-farming automation.
- Proficient with Hardhat, Foundry, OpenZeppelin, Slither, Chainlink oracles, ethers.js, and Web3.js for secure, gas-optimized smart contract development and audits.
- Experienced in leading distributed teams, enforcing protocol security strategies, and coordinating multi-disciplinary engineering workflows for production-grade blockchain solutions.

TECHNICAL SKILLS

Main Technical Skills	Solidity (5 yr.), Hardhat, Foundry, OpenZeppelin
Programming Languages	Solidity (5 yr.)
JavaScript Libraries and Tools	Ethers.js, Web3.js
JavaScript Frameworks	Node.js, React
Databases & Management Systems / ORM	MongoDB, PostgreSQL
Collaboration, Task & Issue Tracking	Asana, Jira, Slack
Blockchain and Decentralized Software	ERC-1155, ERC-20, ERC-721, Ethers.js, Foundry, Hardhat, OpenZeppelin, Uniswap
Version Control	Git

WORK EXPERIENCE

Solution Architect & Team Lead - cSigma Finance (cSigma Finance)

Duration: Jul 2023 – Present

Summary:

- Development and architecture of DeFi and tokenized-asset protocols including vault systems, capital deployment engines, and permissioned investment workflows
- The project focuses on creating secure, upgradeable, and gas-optimized DeFi vaults and tokenized yield products

Responsibilities:

- Lead and mentor a team of 6 engineers across smart contracts, backend, and frontend.
- Own architecture reviews, code-review standards, delivery planning, and production deployments.
- Architect DeFi protocols including pool architecture, vault systems, and capital allocation engines.
- Define and enforce protocol security strategy including PR quality gates, internal security reviews, audit readiness, upgradeability patterns, and governance/access controls.
- Optimize gas efficiency and on-chain performance across core contracts.
- Coordinate with product, backend, and DevOps teams for seamless protocol launches and upgrades.

Technologies: Solidity, ERC-4626, Hardhat, Foundry, OpenZeppelin, Slither, ethers.js, Web3.js, React, Next.js, Node.js

Blockchain Architect (DexCheck)

Duration: Sep 2022 – Jul 2023

Summary:

- Design and implementation of blockchain event-tracking architecture and analytics pipelines for historical and real-time token and trade data
- The project provides data indexing and consistency workflows for decentralized exchange analytics

Responsibilities:

- Designed blockchain event-tracking architecture and analytics pipelines.
- Defined indexing boundaries and data-consistency workflows.

Lead Smart Contract Developer (Don-Key Finance)

Duration: Nov 2020 – Jul 2023

Summary: Development of yield-farming strategy contracts and DeFi automation infrastructure for on-chain capital allocation, enabling automated and efficient yield farming strategies.

Responsibilities:

- Built yield-farming strategy contracts.
- Developed DeFi automation infrastructure for on-chain capital allocation.

Smart Contract Developer (UniWSwap)

Duration: Nov 2020 – Jul 2023

Summary: Design and development of decentralized exchange (DEX) and automated market maker (AMM) liquidity pools based on Uniswap v2 and v3 protocols, including a staking portal for core trading and liquidity infrastructure on EVM chains.

Responsibilities:

- Designed and built Uniswap v2 and v3 based DEXs and AMM liquidity pools.
- Developed staking portal for liquidity providers.

Technologies: Uniswap v2, Uniswap v3, Solidity, EVM chains



Blockchain Developer & Auditor (TreeDeFi)

Duration: Mar 2021 – Sep 2022

Summary: Development of marketplace, farms, pools, lottery, and play-to-earn infrastructure, including contributions to real-world asset (RWA) style NFT tokenization with ownership and lifecycle tracking.

Responsibilities:

- Developed marketplace, farms, pools, lottery, and play-to-earn infrastructure.
- Contributed to RWA-style NFT tokenization with ownership and lifecycle tracking.

Lead Smart Contract Developer (Alethea AI)

Summary: Development of token and NFT utility contracts with secure Solidity implementations and integration with EVM protocols.

Responsibilities:

- Developed token and NFT utility contracts.
- Implemented secure Solidity code and EVM protocol integrations.

Technologies: Solidity, EVM

Smart Contract Developer (Meme Crafter / Wife Planet Coin)

Summary: Delivered NFT marketplace, tournament, and staking contracts, as well as token, presale, and commission contracts with frontend integration.

Responsibilities:

- Delivered NFT marketplace, tournament, and staking contracts.
- Developed token, presale, and commission contracts with frontend integration.

EDUCATION

- **Bachelor of Engineering, Electronics & Communication**
Government Engineering College, Surat

