

# Sunny Radadiya (AI Engineer / FDE / Web3-DeFi Engineer)

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## About

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AI Engineer / Forward Deployed Engineer with strong Web3 and DeFi systems experience. I turn ambiguous product requirements into reliable production systems across AI agents, DeFi automation, smart-wallet execution, and backend infrastructure.

- Built and shipped AI-powered DeFi yield agents, protocol integrations, rebalancing logic, portfolio tracking, and scalable systems handling real user funds.
- Experienced across AI-agent workflows, RAG, model inference, backend services, PostgreSQL/Supabase, Docker, TypeScript, Node.js, Python, Solidity, and Foundry.
- Strong DeFi security background, including private smart contract audits and security reviews for cross-chain, vault, escrow, settlement, and upgradeable Solidity systems.

## Experience

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### Private Smart Contract Audits | Remote(Bangalore)

#### Smart Contract Security Auditor | 06/2025 - Present

- Conduct private smart contract security audits for DeFi, cross-chain, escrow, vault, and settlement contracts.
- Review Solidity code line by line to identify access control issues, signature/replay risks, accounting bugs, upgrade risks, and fund-stranding edge cases.
- Use Foundry, fuzz tests, invariant tests, Slither, Aderyn, Semgrep, and Halmos to validate findings and prove exploit paths.
- Write runnable proof-of-concept tests and clear audit reports with severity, impact, affected code, and recommended fixes.
- Audited systems including cross-chain intent settlement flows, upgradeable vaults, escrow contracts, bridge-backed contracts, and zk-rollup L1 settlement logic.

### ZyFAI - Yield Agent | Remote

#### Senior AI / Full Stack & Blockchain Engineer | 01/2025 - Present

- Building ZyFAI, an AI-powered DeFi yield agent that helps users analyze DeFi opportunities and automatically move funds across lending protocols for better risk-adjusted returns.
- Built AI-agent workflows using LangChain, LangGraph, and pgvector so users can analyze DeFi metrics, compare opportunities, and execute actions through chat.
- Connected LLM workflows with DeFi protocol data, wallet positions, smart accounts, and on-chain execution flows.
- Led DeFi infrastructure for protocol data collection: APY, TVL, liquidity, utilization, incentives, risk signals, and historical performance across Aave, Morpho, Silo, Euler, Moonwell, and other protocols.
- Designed rebalancing logic to decide when funds should move, when they should stay, and how to compare higher yield against risk, liquidity, gas cost, and execution safety.
- Built portfolio tracking and earnings systems to calculate user performance while funds continuously move between protocols and chains.
- Worked on smart-wallet execution using session keys, GuardExecModule, and TargetRegistry to restrict automated actions to approved DeFi protocols and trusted targets.
- Developed backend pipelines, smart contract integrations, and Web3 infrastructure for real-time APY tracking, automated rebalancing, and reliable execution.
- Built internal tools for lifetime earnings, rewards, points, Merkl incentives, and rebalance backtesting.
- Website: <https://zyf.ai>

### DefiLens | Bangalore, Karnataka

#### Founder & Product Engineer | 05/2023 - 12/2024

- Founded and built open-source multichain DeFi tools to simplify complex on-chain workflows across EVM-compatible networks.
- Built cross-chain DeFi batching flows using smart wallets, reducing manual bridging, network switching, and repetitive multi-step transactions.
- Created batch transaction functionality for lending, swapping, and other multichain DeFi operations.
- Built a conditional trading interface supporting DCA, limit orders, and stop orders.
- Built Copy Trade, an automation product that allowed users to replicate selected whale transactions.
- Secured bounties from the Base network, validating product direction and technical execution.
- Products: <https://defilens.tech> | <https://app.defilens.tech> | <https://automation.defilens.tech>
- Copy Trade: <https://github.com/sunnyRK/TxCopy>

**InfinityPools (formerly Lemma Finance) | Remote**  
**Senior Solidity Developer | 10/2021 - 01/2023**

- Worked on production DeFi infrastructure for a basis-trading / delta-neutral strategy stablecoin (USDL), synthetic tokens, and protocol integrations.
- Contributed to core Solidity contracts and periphery systems for the basis-trading stablecoin.
- Engineered LemmaSwap, a decentralized exchange designed around Lemma's protocol needs.
- Integrated Lemma with DeFi platforms including Zapper, ParaSwap, and Forta monitoring bots.
- Built supporting SDKs, libraries, deployment scripts, and testing infrastructure.
- Used Foundry, Hardhat, TypeScript, and JavaScript for smart contract testing, deployments, and production workflows.
- Website: <https://v2.lemma.finance/>

**Defi Freelancer & Gitcoin Bounty Hunter | Remote**  
**Solidity Developer | 01/2021 - 09/2021**

- Worked independently with DeFi protocols and open-source ecosystems to turn ambiguous requirements into working smart contract systems.
- Built smart contracts for staking, yield farming, DEX operations, token swaps, and DeFi automation.
- Built Uniswap V2 / SushiSwap-style DEX forks and LP incentive mechanisms.
- Built yield strategies across Idle Finance, BarnBridge, and other DeFi protocols.
- Completed Gitcoin bounties and ecosystem grant work across Uniswap, Idle Finance, Badger, Reflexer, Biconomy, and Polygon.
- Selected projects: forward.swaps, IdleYieldSource, Badger GuestList Factory, BentoBox YieldSource, ETHOnline Submission, AAVE Pod Encode Challenge, InstCrypt.

**Chill Finance | Remote**  
**Solidity Developer | 03/2020 - 01/2021**

- Built a Uniswap V2-style decentralized exchange for EVM chains
- Designed yield farming mechanisms and governance token rewards for liquidity providers
- Developed end-to-end smart contracts for DEX operations and LP incentive structures

**Mobiuso Technologies | Ahmedabad, Gujarat**  
**Software Engineer | 06/2018 - 09/2019**

- Built Android healthcare applications integrated with Django REST APIs and backend services.
- Managed API development, server deployment, performance optimization, and secure mobile-server communication.

## **Skills**

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AI Engineering, FDE, Defi, Web3, Typescript, Solidity, Node.js, Next.js , Foundry, Hardhat, AI-Agent Stacks, RAG, pgvector, Python, PostgreSQL, Supabase

## **Education**

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**Parul University | Gujarat, India**  
**Computer Science & Engineering | 05/2018**

- Bachelor of Engineering in Computer Science and Engineering - With 8.34 / 10.0 CGPA

## **Socials**

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- Portfolio: [sunnyrk.com](https://sunnyrk.com)
- Twitter/X: [RadadiyaSunny](https://twitter.com/RadadiyaSunny)
- Github: [sunnyrk](https://github.com/sunnyrk)
- Telegram: [rksunny](https://t.me/rksunny)