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SKILLS

Languages: Solidity, TypeScript, Python, JavaScript

AI & Agents: LLM Orchestration, Multi-Agent Systems, MCP, RAG, LangChain, n8n, Claude Agent SDK, OpenAI, Anthropic Claude

Blockchain: Ethereum, Base L2, Foundry, Hardhat, OpenZeppelin, Chainlink, ERC-4337, EIP-7702, Wagmi, Viem

Full-Stack: React, Next.js, tRPC, Node.js, Fastify, PostgreSQL, Drizzle ORM, Redis, BullMQ, Socket.io

Tools & Infra: Alchemy, Ponder, Docker, Vercel, Railway, Turborepo, Git

WORK EXPERIENCE

MangoWebies

Oct 2025 – Present

Web3 Developer – Solidity, TypeScript, Smart Contracts

- Built **Telshi** – a full-stack decentralized binary prediction market on Base L2, and **Omenly** - its trustless multi-agent oracle infrastructure for automated market resolution
- Developed **admin and sub-admin dashboards** for real-time monitoring of user activity, on-chain transactions, and market lifecycle tracking across the platform
- Authored **5 Solidity contracts** (Foundry) with EIP-7702 gasless relay and USDC settlement, deployed on Base with zero failed transactions across 2,000+ testnet operations
- Integrated **Dynamic Labs** wallet auth and built testing suites (Foundry + Hardhat) catching 12+ contract-level bugs pre-deployment

EDUCATION

Gautam Buddha University

Aug 2022 – Jun 2026

B.Tech in Artificial Intelligence

Relevant Coursework: Blockchain Technology, AI Agents, AI Automation, Natural Language Processing, Large Language Models, Cryptography, Smart Contract Security, Distributed Systems

PROJECTS

Telshi - Decentralized Binary Prediction Market on Base L2

[Live](#)

- Built a **full-stack monorepo (8 apps)** - a React 19 + tRPC client over a Fastify, PostgreSQL and Redis backend – driven by **14 background services** for order matching and real-time market feeds
- Wrote **5 Solidity contracts** in Foundry with an **EIP-7702 gasless relay** and USDC settlement, holding **zero failed transactions** across **2,000+ testnet operations**
- Wired Dynamic Labs embedded-wallet auth on a mainnet-ready architecture, where a **single env swap** flips the entire stack to production

Omenly - Trustless Multi-Agent Oracle for Prediction Markets

[Live](#)

- Built the **Omenly Validator**, a multi-LLM verification pipeline with a primary-fallback chain and **MCP tool integration** (Nansen, Polygon, web search) that cross-checks on-chain data at **99.2% accuracy**
- Engineered the **Omenly Resolver**, a **4-agent consensus engine** with weighted confidence scoring that settles market outcomes autonomously from **Nansen and Polygon** on-chain data plus off-chain news
- Designed a fault-tolerant **primary-fallback pattern** across every external data source, with automatic failover **under 200ms**

Kameti - On-Chain ROSCA (Rotating Savings Committee) on Base L2

[Live](#)

- Built a DeFi **ROSCA / chit-fund** on Base with two payout modes – a sealed **interest-bid auction** and a **Chainlink VRF** lottery – across configurable **2–10 member** pools
- Designed the Solidity system in **Foundry**: an **EIP-1167 minimal-proxy factory** that spawns isolated pool clones, **over-collateralized loans (130–150%)** in cbBTC/WETH/wSOL with Chainlink price feeds and automated liquidation, and a strict money-vs-logic contract split
- Shipped the **full-stack monorepo** – Next.js 16 / React 19 + tRPC frontend, Fastify + Drizzle/PostgreSQL + Redis + Socket.io backend, and a **Ponder** on-chain indexer – with headless Dynamic Labs auth verified through **JWKS**

LEADERSHIP & COMMUNITY

- Blockchain Head – MLSA Club, GBU**: Scaled community to **100+ members**; organized 8+ workshops on Solidity and smart contract security
- Smart India Hackathon (SIH)**: Built blockchain-based document verification for a government problem statement at India's largest national hackathon
- Open Source**: 5+ production dApps live on Base, Megaeth, Abstract, and BSC chains