

SINA ASGARIAN

Full-Stack Engineer | Web3 / DeFi · Fintech Product Development

React → Node/Python APIs → Smart Contracts | EVM + Solana | Real-time Data & Dashboards

Dubai

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PROFILE

Full-Stack Engineer with 4+ years building production fintech and Web3 applications end-to-end — from database schema and API design to React frontends and smart contracts. Delivered a bilingual SSR corporate platform, a multi-exchange trading terminal, and DeFi staking protocols across EVM and Solana, alongside quantitative engineering work on trading systems and real-time market data pipelines.

EXPERIENCE

Full-Stack Developer · Independent — Fintech & Web3 Projects

2023 — Present

- Built Owjen, a bilingual (EN/FA) SSR corporate platform for a 9-brand holding company: React 19 + TanStack Start, Strapi CMS, RTL support, and a Gemini-powered AI chat widget.
- Built NexEdge, a multi-exchange trading terminal unifying 3 exchange APIs behind a single interface using the Adapter Pattern, with JWT+OTP auth and Fernet-encrypted credentials.
- Developed Vaultline, staking protocols on both EVM (Solidity, Hardhat) and Solana (Anchor, PDA-based vaults) with wallet-connected UIs.

Quantitative Developer · Algorock

May 2023 — June 2026

- Built and maintained end-to-end real-time data pipelines across multiple exchanges using async task queues (Celery/Redis).
- Developed a Python backtesting framework from scratch supporting multi-asset, multi-regime strategy evaluation.
- Engineered real-time visualization dashboards for strategy monitoring; shipped 5+ production trading strategies, including a funding-rate arbitrage model.

Python Developer Intern · Aping Technology

02/2021 — 03/2022

- Built real-time market data visualization tools (Pandas, NumPy, Plotly) and data pipelines for Level 2 order book analysis.

SELECTED PROJECTS

QuantAI Traders *Python · FastAPI · Celery · Redis · Plotly* — Production quant platform for market data ingestion, backtesting, and automation.

Multi-Chain Wallet Scanner *FastAPI · React · Covalent · CoinGecko* — Analytics app aggregating wallet holdings and P&L across 7+ blockchains.

Vaultline *Solidity · Anchor · Hardhat* — Reward-per-token staking protocols on EVM + Solana, with wallet-connected UIs (GitHub).

NexEdge *Python · FastAPI · Adapter Pattern* — Multi-exchange trading terminal with a unified price matrix and arbitrage scanner.

CORE SKILLS

Languages: Python, TypeScript, JavaScript, Rust, Solidity, SQL

Backend: FastAPI, SQLAlchemy, Celery, Redis, Pydantic, REST APIs

Frontend: React 18/19, TanStack Start, Tailwind, Recharts, Plotly

Web3: Solidity, Anchor, Hardhat, Ethers.js, Solana Web3.js, OpenZeppelin

Data / Quant: Pandas, NumPy, Backtesting, Real-time Pipelines, Market Data Processing

DevOps & Security: Docker, Git, Linux, Uvicorn, JWT, OTP, Fernet

EDUCATION & LANGUAGES

Bachelor's Degree in Computer Science · English — Professional · Persian (Farsi) — Native