Ali Nikneshan

CTO at BITMAX, Tehran, Iran

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SUMMARY

I build the multi-chain infrastructure and security crypto and fintech partners integrate with. I lead engineering at BITMAX, where I have extended the exchange's infrastructure to Bitcoin, Ethereum, Dogecoin, Tron and Binance Smart Chain. I started there as Blockchain Advisor in September 2021, became Blockchain Director in 2023 and CTO in March 2024.

EXPERIENCE

CTO, BITMAX — Mar 2024 – Present

Crypto exchange, Tehran

- Own engineering and security for the exchange's multi-chain platform, from node infrastructure to the services partners integrate with.
- 13 chains live, including Bitcoin, Ethereum, Dogecoin, Tron and Binance Smart Chain.
- Keep AI agents in reviewable layers and out of the transaction path.

Blockchain Director, BITMAX — Mar 2023 – Apr 2024

- Led the blockchain engineering team and the rollout of multi-chain support.

Blockchain Advisor, BITMAX — Sep 2021 – Mar 2023

- Extended the exchange's infrastructure to Bitcoin, Ethereum, Dogecoin, Tron and Binance Smart Chain.

Software Development Manager, Ertebatat Baregheh Pardis — Jul 2017 – Mar 2023

- Ran three concurrent products and reported to the CEO.
- Delivered about 300K lines of code in 18 months.

Engineer and consultant, Telecom and security engagements — Earlier

MTN, Parstasmim, Huawei, NAK, Chista

- MTN: CDR storage and analyzer handling 400 TB.
- Parstasmim: SIEM integration with QRadar and Qualys.
- Work for Huawei, NAK and Chista.

SELECTED WORK

Custody and security. Decision: Keep AI agents out of the transaction path. Money movement stays in deterministic code that can be tested, audited and rolled back. Proof: By rule, AI does not merge, deploy or force-push.

Multi-chain integration. Decision: Treat each chain as an operated service, with the same checks, monitoring and review as any money path. Proof: 13 chains live, including Bitcoin, Ethereum, Dogecoin, Tron and Binance Smart Chain. 2 partners integrated.

AI reviewer with human gates. Decision: The reviewer retrieves knowledge by exact repository key, not by semantic search. Its knowledge cards are stamped with their source commit. Proof: In a 30-run sample, 91% of semantic-search chunks were stale or redundant, and no finding used a retrieved rule.

EDUCATION

Amirkabir University of Technology (Tehran Polytechnic), MS, Network, IT — 2006 – 2008

Shiraz University, BS, Computer, Software — 1999 – 2004

FOCUS AREAS

Blockchain infrastructure: Bitcoin, Ethereum, Dogecoin, Tron, Binance Smart Chain
Security: SIEM integration, QRadar, Qualys, Funds-safety operations
Data at scale: CDR storage, Analytics pipelines
Leadership: Engineering management, Multi-product delivery, CEO reporting

LANGUAGES

Persian (native), English (professional working), German (elementary)