Yousef Kakhki *Technical Lead/ Back-end Developer*

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Profile

Senior Software Engineer and Team Lead with deep expertise in architecting and deploying secure, high-performance backend systems. My career is focused on the FinTech and blockchain space, with a proven track record of building P2P crypto trading platforms, managing the full DevOps lifecycle, and leading teams to deliver complex financial dashboards. I specialize in Node.js, low-level system optimization, and building scalable infrastructure for data-intensive applications.

Education

Master of Science in Computer Science,   08/2018 – 08/2021
Amirkabir University of Technology ↗

- **Blockchain Committee**: Developed a virtual coin reward system using Hyperledger Sawtooth & Node.js.
- **Thesis**: Developed "GreedyLearner," a gamified application for learning computer science algorithms.

Professional Experience

Technical & AI Team Lead, *Capitalino* (*A CITEX spin-off venture*) ↗   10/2023 – 06/2025 | Mashhad, Iran
- Recruited by the former Vice President of CITEX to lead the technical team for this new venture, managed all technical operations, including leading a 4-person team, playing a key role in the team's growth, and overseeing the entire IT and DevOps lifecycle (server administration, security, CI/CD).
- Provided hands-on technical leadership, architecting and coding core financial systems including RESTful APIs, an investor dashboard, and a secure crypto-to-fiat payment gateway.
- Spearheaded high-impact projects, including an award-winning **'AI Hologram' (Best Booth, ITEX 2024)** and a competitive gamification platform for the Shiraz ITEX 2023 exhibition.

Systems Engineer, *Batna* ↗   05/2021 – 05/2022 | Tehran, Iran
- Led the end-to-end design and implementation of a secure Over-the-Air (OTA) software delivery pipeline for embedded Linux systems, from package generation to client-side application.
- Executed deep, system-level optimizations on the Linux kernel and core services to meet specialized performance and hardware requirements.

Back End Developer, *Avin Avisa*   11/2019 – 12/2020 | Tehran, Iran
- Architected a complete P2P cryptocurrency trading platform from the ground up, leading the backend development with Node.js, TypeScript, and MongoDB.
- Guaranteed financial data integrity by engineering a system for atomic transactions and integrating securely with the Ethereum blockchain via Web3.js.

Skills

Backend: Node.js, TypeScript, JavaScript, REST APIs, MongoDB, NoSQL, Microservices, Python, **Blockchain & Cryptocurrency:** Crypto Trading Systems, Web3.js, Ethereum, Hyperledger Sawtooth, **DevOps & IT Infrastructure:** Linux, CI/CD (Jenkins), Docker, Server Administration, Network Security, **Leadership & Project Management:** Team Leadership & Growth, Agile (Scrum), Technical Project Management, **Systems Programming:** C, Bash Scripting, Linux Kernel Customization, AOSP

Languages

English
Professional Proficiency, IELTS 7.5

French
B2