

Alireza HassanNejad

Node.js Engineer

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PROFESSIONAL SUMMARY

Backend-focused Software Engineer experienced in APIs, event-driven services, WebSockets, distributed backends, and data stores spanning PostgreSQL, MySQL, MongoDB, SQLite, and Redis. Builds production services with Bun, Node.js, Hono, Express.js, Django, and Flask according to system requirements.

PROFESSIONAL EXPERIENCE

Laqira Protocol

Dec 2022 – Present · Dubai, UAE

Software Engineer — Blockchain / Web3 R&D

- Develop Telegram Bots and Telegram Mini Apps with backend services, data stores, real-time communication, and application integrations.
- Design and develop production software across Web3, blockchain, web, mobile, backend, and real-time systems.
- Build Web3-enabled applications and services involving EVM ecosystems, blockchain data, transactions, wallets, and decentralized infrastructure.
- Develop real-time systems using WebSockets and event-driven communication patterns.

TOBTC

Dec 2022 – Present

Full-Stack Developer

- Full-stack engineering across frontend and backend application development.

Niroom Research Institute

2018 – 2022 · Tehran, Iran

Full-Stack Developer / Software Engineer

- Developed neural-network and machine-learning solutions for prediction and data analysis using TensorFlow and Keras.

TECHNICAL SKILLS

Backend

Bun · Node.js · Hono · Express.js · Django · Flask · REST APIs · WebSockets · Event-Driven Services · Real-Time Communication · Distributed Backend Systems

Programming Languages

Python · TypeScript · JavaScript · C · C++ · Go · Rust · Zig · SQL

Databases & Data Systems

PostgreSQL · MySQL · MongoDB · SQLite · Redis

Frontend

React · Next.js · React Native · HTML · CSS · SASS · Tailwind CSS · State Management · Component Architecture · Responsive Applications · Real-Time Interfaces

EDUCATION

University of Mazandaran (UMZ)

2026 – Present

PhD — Electrical Engineering, Electronics

Research interests at the intersection of electronics, computation, artificial intelligence, mathematical methods, algorithms, and engineering systems.

University of Science and Technology of Mazandaran (USTM)

2016 – 2018

M.Sc. — Electrical Engineering, Power Systems

CERTIFICATIONS

Front End Development Libraries · Back End Development and APIs · Scientific Computing with Python · Data Visualization · JavaScript Algorithms and Data Structures

LANGUAGES

Persian: Native · English: Working Proficiency

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