

Hasan Zarghami

Iran | +98 936 461 0252 | dev.zarghami@gmail.com | github.com/dev-zarghami | linkedin.com/in/dev-zarghami

Senior Full-Stack & Blockchain Engineer

Senior engineer specializing in designing and building scalable, distributed systems with JavaScript/TypeScript and Node.js. Proven expertise in microservice architecture, event-driven communication using NATS, and developing high-performance crypto platforms. Passionate about clean architecture and leveraging reactive programming to create seamless user experiences and robust backends.

Technical Skills

- **Frontend:** Vue.js, Nuxt.js, React, Svelte, SvelteKit, RxJS, TypeScript, JavaScript (ES6+), HTML5, CSS3, TailwindCSS, PWA, SSR
- **Backend:** Node.js, NestJS, AdonisJS, Express.js, Microservices, REST API, API Gateway, NATS, RabbitMQ, Redis, Socket.IO
- **Databases & Monitoring:** MySQL, MariaDB, PostgreSQL, MongoDB, InfluxDB, VictoriaMetrics, Prometheus
- **Blockchain & Crypto:** DApp & DEX Development, WalletConnect, Web3.js, Ethers.js, Digital Wallets, Blockchain Integration
- **DevOps & Tools:** Docker, Git, Git Flow, CI/CD, Linux, Nginx, Agile/Scrum, Performance Optimization, SEO
- **Languages:** Persian (Native), English (Intermediate)

Professional Experience

Front-End Team Lead & Developer | Kebrin Exchange (formerly Erythron) | Nov 2023 – Present

- Led the complete frontend redevelopment of the crypto exchange platform, migrating to a modern, scalable architecture.
- Engineered a new frontend using Svelte, RxJS, and TailwindCSS, establishing a reactive state management pattern.
- Reduced system complexity by 30% and improved performance by designing and implementing a modular, reusable component library.

Front-End Developer | 724 Holding | Apr 2025 – Jun 2025 (Remote)

- Developed a gamified crypto trading platform feature set, integrating Reown AppKit for wallet connection and blockchain interactions.
- Implemented a user reward system (gems & tokens) and optimized page load times using Svelte and RxJS.

Full-Stack Web Developer | HamtaPay Crypto Exchange | Mar 2020 – Sep 2023

- Designed and led the development of a microservice-based backend using Node.js and AdonisJS, handling high-volume transactions.

- Engineered a multi-blockchain deposit and withdrawal system, integrating NATS message broker for asynchronous, reliable communication between services.
- Developed CI/CD pipelines and optimized APIs for high scalability and security, supporting thousands of concurrent users.

Full-Stack Web Developer | Xchanger Exchange | Oct 2022 – Apr 2023 (Contract, Remote)

- Built and deployed a 24/7 crypto exchange platform, implementing KYC verification, multi-chain transactions, and real-time rate updates.
- Developed the backend in Node.js/Express and the frontend using Vue.js/Nuxt.js with a PostgreSQL database.

Freelance Frontend Developer | Oraclez DEX Bridge Platform | Jun 2022 – Nov 2024 (Remote)

- Created complex DEX and bridge interfaces using React, Next.js, and Vue.js, enabling seamless cross-chain swaps.
- Integrated WalletConnect and implemented reactive state management with RxJS for real-time blockchain communication.

Backend & Frontend Developer | Navosh | Mar 2017 – Jun 2019

- Built and maintained backend services with PHP (Yii2) and MySQL before leading the transition to a modern Vue.js/Nuxt.js frontend.
- Designed RESTful APIs, optimized database queries, and built responsive admin dashboards for content management.

Open Source Contribution

adonis5-nats-broker | Creator & Maintainer | npmjs.com/package/adonis5-nats-broker

- Designed and published a production-ready package for AdonisJS 5, enabling developers to build fully decoupled, event-driven microservices with NATS.
- Implemented a message-driven routing layer with support for REST-to-NATS bridging, middleware, exception handling, and custom CLI commands.

Education

B.Sc. in Computer Engineering - Hakim Sabzevari University (2012)