

# Pezhman Ghavami

## Full-Stack Engineer

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### Professional Experience

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#### Senior Full-Stack Engineer, MD.co.uk 📄

11/2024 – 06/2025

Remote

- Architected and led the development of a versatile visual site builder, featuring drag-and-drop functionality, a CMS for blogs and services, a menu maker, a form builder, and an integrated image uploader.
- Spearheaded a major refactoring of the patient-doctor web application, optimizing the codebase by removing over 10,000 lines of code and creating reusable components, significantly boosting performance and maintainability.
- Consolidated five legacy websites into a single, unified platform using the new site builder, resulting in a 30% increase in website traffic and a 20% rise in user engagement.
- Improved the company's online visibility by enhancing the website's Lighthouse score, which boosted SEO performance by 20%.

#### Front-End Developer, Quarkino 📄

07/2023 – present

Remote

- Spearheaded the migration of legacy web applications and tools from Vue2 to Next.js 13, doubling page load speeds and cutting maintenance costs by 50%.
- Created a reusable Next.js project template that reduced new project setup time by 50% and increased code consistency by 80%.
- Collaborated with a cross-functional team to rewrite the core product and select client websites (ICIB, Depoint) using React. This resulted in a 40% growth in website traffic and a 25% enhancement in user engagement.
- Designed and developed a robust SDK for Quarkino's headless CMS, enhancing front-end development efficiency by 35% and reducing integration time by 40%.
- Implemented a mono repository architecture to consolidate diverse front-end applications into a single codebase, tripling build speeds and improving development efficiency by 45%.

#### Full-Stack Engineer & Co-Founder, Rayabot

05/2017 – 02/2022

Shiraz, Iran

- Led a team of four developers and a UI/UX designer to launch a SaaS product, driving a 150% revenue surge and 10x user growth in a single year.
- Built and deployed a React-based Admin dashboard for managing users, server events, and clients of the SaaS product.
- Achieved 100% test coverage by writing unit tests using Jest for the Admin and User dashboards.
- Leveraged D3.js to visualize the trade log of the automated trading software, helping the trading team to improve trade accuracy by 50%, lower MDD by 20%, and increase yearly profits by 6%.
- By optimizing the main trading bot, the algorithm ran 40% faster, resulting in quicker historical simulations and improved productivity.

- Partnered with the trading team to develop indicators and automated trading solutions for the TradingView platform.

## Projects

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### **Clothing Shop**, [github.com/PezhmanGhavami/clothing-shop](https://github.com/PezhmanGhavami/clothing-shop)

- Launched a prototype e-commerce platform as a sandbox for technology experimentation.
- Engineered an optimized website using Next.js best practices, including SSG and ISR, achieving a Lighthouse score exceeding 90 across all metrics, resulting in enhanced user experience and engagement.
- Tech stack: Next.js, React, Tailwind CSS, SWR, iron-session, Prisma, PostgreSQL, TypeScript

### **Chat App**, [github.com/PezhmanGhavami/chat-app](https://github.com/PezhmanGhavami/chat-app)

- Prototyped a chat application (SPA) utilizing Socket.IO and WebRTC for comprehensive technology exploration and advanced app functionality testing.
- Tech stack: React, Tailwind CSS, SWR, React Router, simple-peer, Vite, Socket.IO, Express.js, Prisma, PostgreSQL, TypeScript, iron-session

### **Sorting Visualizer**, [github.com/PezhmanGhavami/sorting-visualizer](https://github.com/PezhmanGhavami/sorting-visualizer)

- Designed an interactive application to visualize 5 different sorting algorithms, allowing users to rewind through results; enhancing comprehension of algorithmic processes.
- Optimized component re-renders by caching dependencies, resulting in a 25% decrease in CPU usage, enhancing application performance and providing a smoother user experience.
- Tech stack: React, Vite, TypeScript

## Skills

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### **Programming Languages**

JavaScript (ES6) • TypeScript •  
HTML5 • CSS3 • Sass

### **Back-End**

Express.js • Socket.io • Iron Session • Prisma •  
Drizzle ORM • Next.js APIs • NextAuth.js • TRPC •  
PostgreSQL • MySQL • MongoDB

### **Techniques**

Design Implementation From Figma, Sketch, XD,  
PSD • Agile Methodologies (Scrum, Kanban) •  
Responsive Design • PWA development

### **Front-End**

React.js • Next.js • Redux Toolkit • Zustand •  
TanStack Query • React Router • Jest • Cypress •  
HTML • CSS • SASS • Tailwind CSS • Shadcn UI •  
Radix UI • Material UI • Styled Components

### **Tools & Platforms**

Git • Github • Github Actions CI/CD • Gitlab •  
Webpack • Vite • Vercel • Docker

### **API Integrations**

RESTful APIs • GraphQL Apollo Client • Websocket •  
Socket.io Client • WebRTC

## Languages

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### **English**

IELTS Academic 6.5

### **Persian**

Native

## Education

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**Bachelor of Information Technology (IT)**, Azad University (IAU)

09/2016 – 12/2020  
Shiraz, Iran