

# Ehsan Rafee

## Backend Engineer

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## Professional Summary

Experienced Backend Engineer with over 8 years of expertise in designing, developing, and maintaining scalable, high-performance software systems. Skilled in microservices architecture, financial exchange systems, and implementing secure, reliable backend solutions. Adept at collaborating with cross-functional teams to deliver innovative solutions.

## Links

<https://linkedin.com/in/ehsan-rafee>

<https://github.com/ehsanera>

<https://stackoverflow.com/users/6892681/ehsan-rafee>

<https://ehsan-rafee.ir>

## Work Experience

### Backend Engineer • Next Top Tech

March 2024 - Present

Next Top Tech is a leader in financial exchange systems. As a backend software engineer, I specialize in designing and implementing critical backend services for financial transactions, ensuring high availability, scalability, and secure data processing. Key contributions include:

- Designed and implemented core components of a robust financial exchange system using .NET Core.
- Developed backend services to streamline transaction workflows, ensuring high availability and scalability.
- Integrated Elasticsearch APM for real-time performance monitoring and debugging.
- Designed efficient logging mechanisms to improve system observability and troubleshooting.
- Collaborated with cross-functional teams to enhance system performance and reliability.
- Optimized data processing pipelines, achieving a 25% increase in transaction efficiency.

<https://www.linkedin.com/company/today-official/>

### Backend Engineer • Today

March 2023 - March 2023

Today Company is a leader in microservices for controlling and optimizing the movement of goods, people, cars, and customers. As a backend engineer at Today, I play a crucial role in developing microservices that utilize fingerprint and facial recognition technologies to efficiently manage and secure all forms of traffic. Key contributions during my tenure at Today include:

- Maintained and upgraded legacy systems while transitioning to modern technologies.
- Improved system performance by 40% across all sales and mediation processes.
- Conducted business analysis to align system upgrades with organizational goals.
- Successfully designed and implemented a new B2B and B2C insurance service platform.

My work at Today Company is defined by its commitment to innovation, offering end-to-end solutions for the efficient and secure management of goods, personnel, vehicles, and customers.

<https://www.linkedin.com/company/today-official/>

## Backend Engineer • Bimer

March 2022 - March 2023

Beamer is a provider of insurance services in the form of B2B and B2C. It is an online intermediary between the insurance provider and the insurance buyer.

My main duty was to maintain the old system and rewrite the system with new technology.

Some of my key contributions include:

- Conducted maintenance and debugging tasks on the legacy system.
- Achieved a remarkable 40% performance enhancement across all sectors of the existing Bimer sales and mediation system.
- Analyzed business requirements and explored potential solutions for the seamless implementation of the system's new version.
- Designed and architected the new system based on comprehensive investigations and the careful selection of appropriate technologies.
- Successfully implemented the new system leveraging state-of-the-art technologies for optimal performance and functionality.

<https://bimer.ir>

## Backend Engineer • Zamin

April 2018 - March 2022

Zamin Company is a single product software company called Balonet, which is a professional messenger. As a software engineer at Balonet, my main focus was on the development of messaging and management systems, as well as ancillary products and reporting panels. Some of my key contributions include:

- White Balonet simplified the production and sales distribution process by architecting and developing a cloud management system that resulted in higher efficiency and faster time to market called Console.
- Accelerate the sales process and reduce the cost by designing and implementing the console project that managed sales, reports and white brand settings.
- It has developed customized dashboard systems for various organizations and companies that improve real-time data visualization and analysis capabilities for decision making.
- Created the Balonet bots framework, which simplified the process of developing custom chatbots in multiple programming languages and enabled businesses to harness the power of conversational AI.
- Contribute to Balonet's core product development, focusing on messaging and management systems to improve user experience and performance.

- Collaborated with cross-functional teams to ensure seamless integration of different components and systems, resulting in a cohesive and reliable product.

<https://balonet.net>

## Full Stack Developer • Kasra Company

March 2016 - February 2018

As a software company with a long-standing reputation, Kasra specializes in office automation, traffic automation, and feeding solutions. Here are some of the key projects I contributed to during my time with the company:

- Implementation of offline patch installation project for support team and end users, I ensured seamless software update without internet connection and no backup force.
- Creating a guest subsystem for traffic automation, I developed it to improve the experience of the guests of organizations and simplify the operation of the traffic system.
- Collaborate with the AI team to integrate a dashboard system with Power BI into the core system, providing real-time data visualization and analysis to stakeholders.
- 20% improvement of the traffic system and hospital shift infrastructure.

<https://kasraco.net>

## Technical Skills

- **Programming Languages:** Java, Kotlin, .NET, .NET Core, Golang
- **Frameworks & Tools:** Spring Boot, Docker, Elasticsearch APM, Kibana, Redis
- **Observability & Monitoring:** Elasticsearch Logs, Application Performance Monitoring (APM)
- **Databases:** PostgreSQL, SQL Server, MongoDB
- **Specialized Skills:** Microservices Architecture, System Design, High Availability, Multi-Tenancy
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- Persian
- English

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