

Jalal Heidari

📞 +98 9120498762 • ✉ jheidari@ce.sharif.edu • 📍 Tehran, Iran

Seasoned developer with 5 years experience in designing software solutions. I've considered myself as an organized, responsible and committed person. I am eager to learn and adapt new technologies.

Skills

- **Programming Languages:** Java, C#, JavaScript
Familiar with: Python, R, Bash scripting
- **Tools and Technologies:** Git, TFS, Jira, Eclipse, IntelliJ, VSCode, Visual Studio, Docker, Spring framework, .Net framework, GraphQL, Azure Devops, Nginx, Gradle, Maven
- **Databases:** PostgreSQL, Microsoft SQL Server, MongoDB, Redis, ElasticSearch
Familiar with: ClickHouse, Neo4J

Remarkable Projects

- **Rahkaran**, 'ERP solution for **System Group Company, Iran**'
 - I worked on **Financial** modules, **Farayar** Business Process Engine Platform.
 - Wrote an ETL module and Microsoft Excel Add-in for generating financial statements report.
- **Bazaar**, 'marketplace for **System Group Company, Iran**'
 - Coordinated with product engineering team to develop a marketplace for build partners to sale their products to customers.
- **Ganjeh**, 'file hosting service for **ViraTech sharif Company, Iran**'
 - Contribute in back-end development, indexing/querying data in ElasticSearch.
- **Graph Visualizer**, 'representing data as graph application for **ViraTech sharif Company, Iran**'
 - Led a team of 3 engineers, Utilizing a Test driven and Agile SDLC development approach.

Employment & Work Experience

- **Back-end Developer** **Tehran, Iran**
SystemGroup Company *Feb 2019 - present*
 - Develop RESTful APIs using .NET Core, Entity Framework, Domain Driven Architecture.
 - Implement CI/CD Pipelines using Azure DevOps.
 - Implement automation solution for source code deployment and configuration management in cloud VMs using Ansible and AWX.
 - Compare Nginx and Microsoft ARR Load balancers using Apache Jmeter and NodeJS servers.
 - Implement necessary changes to meet OWASP security standards and eliminate vulnerabilities.

- - Experienced with Angular and Material.
- Developing applications using Web Forms, Windows Forms, Web Services.
- Refactored and redesigned thousands lines of code.
- Working with version control complexities including multiple concurrent branches, and multi-branch merges.

Technical Team Lead

Tehran, Iran

○ *ViraTech Sharif*

Feb 2017 - Feb 2018

- Research and prototype new products and solutions using open source technologies.
- Manage project priorities, deadlines and deliverables.
- Mentor and train other team members on design techniques and coding standards.
- Established coding standards and enforced them through automated tools like SonarQube.

Java Back-end Developer

Tehran, Iran

○ *ViraTech Sharif*

Feb 2016 - Feb 2017

- Develop web services using Spring and Hibernate.
- Deep learning in object oriented design and design patterns.
- Composed a messenger app using websockets for instant messaging.
- Experience with JavaMail API to send/receive Mails using POP3, IMAP and SMTP protocols.
- Writing bash scripts to maintain servers for deployment and automating installation of server required applications then rewrite them in Docker.
- Develop guides and documentation for elastic-search features and best practices.
- Implement an OAuth server and client using spring security.
- Optimized software performance in different areas, and increased the speed of SQL queries.

Academic Qualifications

Sharif University of Technology

Tehran, Iran

○ *M.Sc. in BioInformatics*

Oct 2019 - present

- Implement Machine Learning techniques.
- Used dynamic programming to transform given DNA sequences into another sequence using minimum number of insertion, deletion, or substitution operations and visualize dotplot diagram.

Sharif University of Technology

Tehran, Iran

○ *B.Sc. in Computer Engineering (Software)*

Sep 2013 - Sep 2018

- Teaching Assistant for Basic Programming in C course .
- Thesis: An application to scrap data and images from wiki-how website and translate texts to Persian using google translate APIs.

National Organization for the Development of Exceptional Talents

Shahrekord, Iran

○ *Diploma in Mathematics and Physics*

Sep 2009 - May 2013