

Masoud Rahimi Ghazi Kalayeh

Lead & Senior Developer (Full-Stack)

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Education

- 2011–2014 **M.Sc Computer Engineering, Minor in Software Engineering**, *National University of Iran (Shahid Beheshti University)*, Tehran, Iran, **GPA: 16.77 out of 20 (3.63/4)**.
I worked on rummer detection from the Twitter data. Technologies (Java, Hibernate, Elastic-Search, Neo4j, Kafka)
- 2005–2010 **B.Sc Computer Engineering, Minor in Software Engineering**, *University of Tehran*, Tehran, Iran, Last year **GPA: 16.02 out of 20**.
I worked on some Bio-Informatics research projects. Highlights: Algorithms (Dynamic & Parallel), GP-GPU, CellBE, C++, CUDA

Teaching Experiences

Part-time University Lecturer - University of Tehran, ECE Department

Database
Laboratory

Fall 2019, Spring 2018, Fall 2017, Spring 2017, Fall 2016, In this course, I teach how to design and implement a normalized data model to the 3NF level. This course is based on MSSQL, in which students learn how to create tables, views, triggers, functions, stored procedures and How to tune performance of the database.

Instructor - University of Tehran, ECE Department

ASP.Net, C# programming, and Web Security, ACM Chapter, Summer 2009.

Selected Teacher Assistant - University of Tehran, ECE Department

Database Laboratory, Spring 2013, Fall 2012, Spring 2012, Fall 2011, Spring 2011, Fall 2010, Summer 2010, Spring 2010.

Database Systems, Spring 2012, Fall 2011.

Human-Computer Interaction, Spring 2012.

Internet Engineering, Spring 2011, Spring 2010, Spring 2009.

User Interface, Spring 2010.

Advanced Programming, Fall 2009, Fall 2008, Spring 2008.

Relevant Courses

Graduate Software Architecture (**19/20**), Advanced Operating Systems (**18.9/20**), Advanced Computer Network (**17.8/20**), Computer Network Security (**17/20**), Advanced Database Systems (**17.75/20**), Software Engineering (**16/20**), Pattern Recognition

U Graduate System Modelling and Simulation (20/20), Computer Networks (20/20), Internet Engineering (18.60/20), Artificial Intelligence (15/20), Advanced Programming (17/20)

Selected Work Experience

Aftab Technology Group

2018-now **Senior DevOps & Software Consultant**, *First of all I standardized software development cycle and tool-sets. After that, I improved the model-design and architecture of the current systems based on Clean-Architecture and finally I am going to set up CI cycle based on Jenkins, Git (Git-Flow), Redmine.*

Behin Gouyan Vista

2015-now **Co-founder, Senior Lead Web Developer**, *In this project, we are going to collect free information from various sites (such as Numbeo, LinkedIn, 4icu, UsNews, Shanghai Ranking, Top Universities etc.), clean up the data and integrate them. Then, using this data, we suggest the best possible options (Professors, University, Country) for the users (students) according to their characteristics (including interests, university rank, country, highest compliance, etc.). We use artificial and social algorithms for doing that, Technologies: Selenium, NoSql Graph Database (Neo4j), ElasticSearch, ASP.Net (Net-Core, EF, RESTful), ETL(Java, ElasticSearch, Neo4j), Crawler (C#, Multi-Threaded).*

Kanoon Farhangi Amoozesh (Ghalamchi)

2013-2015 **Part-Time Senior Web Developer & Project Manager**, *In this project, I worked in the information technology center of the most popular private organization in Iran's educational sector. Provided on-demand reposts by generating various queries over databases and visualizing the results using charts and tables. I developed some applications to help to automate a few company's business processes using .Net platform, Technologies: ASP.Net (MVC, WebForm, WebAPI), EF, C#.Net, Code first, iTextSharp, Highcharts by using many design patterns such as UoW, DI, IoC*

University of Tehran, Database Research Group (DBRG)

2010-2015 **Part-Time Researcher**, *In this group, I worked on various projects. Due to the huge amount of data and diversity in the projects, databases that are linearly scale out be used, Technologies: Java Stack (Java, Spring-Boot, Hibernate, MySql, Postgres), .Net Stack (.NetCore, MVC, Dapper/EF, MSSQL, Neo4jClient), NoSql (ElasticSearch, Cassandra, MongoDB, HBase, Kafka), Angular.*

Arnatech

2010-2013 **Co-founder, Technical Manager & Senior Web Developer**, *Arnatech is an Information and Communication Technology company which provides technology solutions and services to its customers. The Company provides software products (Web Applications, Windows Applications and ...) and IT services, Technologies: Java, .Net, Php.*

University Of Tehran, Center of Information Technology and Cyberspace (CITC)

2011-2011 **Security Adviser**, *Black-box penetration test*, I detected many vulnerabilities such as SQLi, XSS, CSRF, directory traversal, code injection, FTP bounce attack and etc. after that, I wrote some advice to fix them.

2010–2010 **Database Integration Project**, *Technical Manager & Architecture.*, In this project, we have to integrate all systems in University of Tehran. We did this by creating an integrated database of identity information. In this project, no changes were made in the level of the systems and only with the use of some special techniques, changes in the level of the database were performed. These changes were transparent from the point of view of the systems, and in the end, information integration operations were carried out without the need for code changes.

Technologies: Oracle, MSSQL, MySql, JAVA, C#.Net, ASP.Net

Computer Skills

Programming Languages	C#.Net, Java
Web Development	ASP.Net (NetCore & MVC, WebAPI), Linq & EF, Java (Spring-Boot, Hibernate)
JavaScript Libraries	ReactJS, AngularJS, Bootstrap, HighCharts
R DataBases	MSSQL, Postgres
Big Data, NoSql, Hadoop	HDFS, ElasticSearch, Cassandra, HBase, Kafka, MongoDB, Redis, Neo4j (Cypher)
Methodology	RUP, Agile (XP, Scrum / Kanban)
Architecture Pattern	SOA (Familiar with SOMA, SOUP), Micro-Services, Multi-tier
Design Patterns	Generic Repository Design Pattern (With UnitOfWork), Inversion of Control (IoC) and Dependency Injection (DI), MVC, MVVM, Singleton, Front Controller
Source Version Control	SVN (Subversion), GIT
Continuous Integration (CI)	Jetbrain Stack (TeamCity, YouTrack, Git), C Stack (Redmine, SonarQube, Jenkins, Git)
Open Source Cracking	Pentaho Data Integration (PDI), Postgres, OpenKM (Knowledge Management System), Magento (e-shop), nopCommerce (e-shop), Bugnet, Elgg (Social Network Engine)