

ARASH KHODADADI

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TECHNICAL SKILLS

13+ years of total industry experience in Backend and Frontend Software Engineering with a proven record of technically leading teams to build web/desktop applications at scale from scratch considering all aspects such as architecture and patterns, performance, Web Vitals, live site monitoring, quality, availability, A/B testing and experimentation, user analysis and UX design, globalization, integrations, reusable components and modularity, synthetic testing, test frameworks, Visual Parity testing, development tools and processes, etc.

- Skilled in C#, .Net Framework/ Core technologies, LINQ, Reflection, Multi-threading, asynchronous programming, TAP, serialization, JSON.Net, NuGet, XUnit, WPF, Silverlight, MVVM, ASP.Net MVC and Razor engine, Various Components, WCF, WCF RIA, Web Services, Fluent NHibernate, EF
- Skilled in HTML/CSS, JavaScript, JQuery, React, TypeScript, Web Components, FAST Components, NPM/Node.JS
- Skilled in Java technologies, Core, Swing and AWT, Hibernate, JUnit, Maven, Servlets, JSP, JSTL, JAX-WS, web services, JSF 2, CDI, and Richfaces
- CSR/SSR, Performance and Web Vitals, Live Site availability/monitoring
- Skilled in SQL and DBMS (SQL Server and MySQL)
- Skilled in unit testing, synthetic testing, Visual Parity testing, code coverage, test fixtures, and code styling
- Skilled in web services, SOAP and REST
- Skilled in Agile practices, frameworks, and methodologies, UML, GIT
- Experience with C, C++ and Assembly
- Experience with infrastructure and build server administration (Azure Cloud, JIRA, Confluence, Bitbucket, Bamboo, Azure DevOps, TeamCity, etc.)
- Experience with Robotics
- Persian: Native, English: Fluent, French: Basic

WORK EXPERIENCE

Jan 2021 - Present
(Full-time)

Microsoft, Vancouver, BC, Canada

Senior Software Engineer at Microsoft Sports Experiences team

- Developing, delivering, and owning E2E sports experiences on different canvases in MSN, Bing, Windows, etc. at scale such as Brackets, Olympics, and FIFA experiences
- Technical UX Lead for Sports Hub <https://www.msn.com/en-us/sports>
- FE/BE architecture, best practices, quality patterns, performance and Web Vitals, live site monitoring, live site availability, A/B testing and experimentation, globalization, integrations, reusable components and experiences, synthetic testing, test frameworks, Visual Parity testing, features development and shipping, Client/Server-side rendering (C#, HTML/CSS, JS/TS, Azure, React/Web Components, FAST, etc.)

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| Sept 2015 – Dec 2020 (Full-time) | Hypertherm Robotic Software Inc. (Robotmaster), Montreal, QC, Canada Staff Software Developer |
| June 2014 - Sept 2015 (Part-time) | <ul style="list-style-type: none"> • Optimized, dynamic and persistent data structures design and development (C#) • WPF user interfaces following MVVM design and development (C#, WPF) • Application logic, APIs, and serialization design and development (C#) • Software architecture, user experience, and workflow design • DevOps team member, infrastructure setup and administration • QA team member, patterns, best practices, code styling, and project management • Product Owner in Scrum cycles |
| Sep 2013-May 2014 (Contractor) | Freelance, Montreal, QC, Canada Freelance Developer and Personal Tutor |
| | <ul style="list-style-type: none"> • Auto-trading application development with different strategies and multiple agents to predict the market, receive quotes and sell/buy shares using Sterling API (C#) • A secure complete online banking web application for educational purposes (Hibernate, JSF2&Richfaces, Maven, SQL, HTML&CSS, JavaScript) • Java and .Net technologies tutoring |
| May 2012 – Dec 2012 (Full-time) | Defraz Software Solutions Company, Tehran, Iran Senior Software Designer and Developer |
| Oct 2011-March 2012 (Part-time) | <ul style="list-style-type: none"> • Full AVL system and web application with GPS tracking systems design and development (ASP.Net MVC, NHibernate, Telerik, HTML&CSS, JavaScript&JQuery, SQL) • Services for GPRS, GSM and SMS data transfers design and development (WCF) • Rule management and rule checking system design and development (WCF, C#, SQL) • Map application and map services design and development (Silverlight, WCF RIA) • Contract management application development (C#, NHibernate, SQL, Telerik) • Sales and delegation management web application development (C#, ASP.Net MVC, NHibernate, Telerik, HTML, CSS, JavaScript, JQuery, SQL) |
| Feb 2011-May 2012 (Part-time) | Limoo Computer Company, Tehran, Iran Technical Project Manager of Desktop Projects |
| | <ul style="list-style-type: none"> • Application for cinema ticket selling and reservation (C# Windows Forms, NHibernate, Telerik, SOAP, SQL) • Management portal and CMS application (Java) |

EDUCATION

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| 2017-2017 | School of Continuing Studies, McGill University Agile Project Management certificate, Grade: A |
| 2013-2015 | Department of Computer Science and Software Engineering, Concordia University M.Sc. graduate and research assistant in GIPSY Lab, GPA: 4.0/4.30 |
| 2007-2012 | Department of CEIT, Amirkabir University of Technology (Tehran Polytechnic) B.Sc. graduate in software engineering, Overall GPA: 15.67/20, Major GPA: 16.16/20 |

TEACHING/RESEARCH ASSISTANTSHIP

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| 2013 – 2015 | Research assistant - GIPSY lab (web services and context-awareness) |
| Fall 2009 | Teaching assistant - Operating Systems |
| Spring 2009 | Teaching assistant - Software Engineering |

PUBLICATIONS AND PRESENTATIONS

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| Dec 2015 | Arash Khodadadi, Joey Paquet, “Collection and Classification of Services and Their Context” - LAP Lambert Academic Publishing, ISBN 978-3659814471, Dec 2015 (In English) |
| Sept 2015 | Arash Khodadadi, “Collection and Classification of Services and Their Context” - M. Comp. Sc. thesis, Concordia University, Sept 2015 (In English) |
| Aug 2014 | Touraj Laleh, Arash Khodadadi, Serguei A. Mokhov, Joey Paquet, and Yuhong Yan., “Toward Policy-Based Dynamic Context-Aware Adaptation Architecture for Web Service Composition” - Proceedings of the 2014 International C* Conference on Computer Science & Software Engineering (C3S2E '14). ACM, New York, NY, USA, Article 23, Aug 2014 (In English) |
| Nov 2013 | Arash Khodadadi, Joey Paquet, “Service Composition Caching System using Expert Broker” - Accepted and participated in ECSGA graduate student poster competition, Computer Science and Software Engineering, Concordia University, Nov 2013 (In English) |
| Apr 2012 | Arash Khodadadi, “Increasing Maintainability of Sale Charting Programs Using Fluent NHibernate ORM and MVP Pattern” - B.Sc. thesis and presentation, Amirkabir University of Technology, Apr 2012 (In Persian and English) |
| Jan 2011 | Arash Khodadadi, “How Fluent NHibernate makes life easier for developers” - Presentation, National Computer-Aided software seminar, Amirkabir University of Technology, Jan 2011 (In English) |
| Dec 2010 | Arash Khodadadi, “Using Hibernate and NHibernate in designing websites” - Presentation and technical report, Amirkabir University of Technology, Dec 2010 (In English) |

AWARDS AND HONORS

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| 2015 | Top 15% of faculty, Golden Key International Honor Society member |
| 2009 | Candidate for membership in SSC (Student Scientific Committee). |
| 2007 | Ranked 1023 rd in National Universities Entrance Exam among more than 1,000,000 applicants for Engineering and Mathematical science. |
| 2007 | Ranked 675 th in National Universities Entrance Exam among more than 500,000 applicants for Foreign Languages science. |
| 2005 | Ranked 2 nd amongst students during 3 rd year of high school. |

HOBBIES

Hiking, Nature, Biking, Kayaking, Camping, Cooking, Snowboarding, Watching TV series and movies