Hossein Abedi Dorcheh

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SUMMARY

Self-motivated senior full stack developer with a passion for quality, innovation and building world-class applications with the aim of improving people's life quality. Having 8+ years of experience and working in multiple startups, I am always really eager to learn, and completely ready to develop innovative and creative solution for real-world problems. In addition, being a helpful member of a professional team with an interesting goal and a good culture that improves everyone is the best thing I really enjoy.

HIGHLIGHTS

Skills	Experience
Node.js / Express, TypeScript	A long background experience in ASP.NET / MVC / C# / MSSQL
MongoDB, Neo4j	Good at designing algorithms and really enjoy it
JavaScript, ES6	Worked as the head of a software development team
Linux CentOS, Ubuntu	Worked with remote software development teams as project coordinator(based in Tehran, Iran and India)
JQuery, HTML5, Pug/Jade, CSS3	Good background in Artificial Intelligence
Spring boot, Java	Designing crawlers, working with financial time-series and many other interesting and practical tools.
Git	Experience of startup failure (Not mine)!

EXPERIENCE

Senior Backend Developer RESUMI Isatiss Co. **2018 - persent**	Developed a business social networking app for professional people and businesses. I have developed the backend and the website(The website is still under development). Available online: **https://play.google.com/store/apps/details?id=ir.isatiss.resumi** **Backend: Java, Spring boot, Neo4j -- Web: Nodejs, TypeScript, Redis**
Web Developer **Hostell**.ir 2017	A listing website for web-hosting plans that helps people to find their most fit web-hosting plan and saves them time. The web-hosting plans are added by businesses to the website. **NodeJS / Express / MongoDB and deployed in Linux CentOS, clustered with PM2**
Web Developer **Keliyak.com** **Monam24.ir** **Rondbook.com** 2016	Rondbook is a domain marketplace, Keliyak is a B2B Directory, And Monam24 is a center that republishes current tenders under offer in Iran. **ASP.NET MVC5, C#, EntityFraework Code First, SQL Server, JQuery, JavaScript, CSS, HTML and AJAX**
Developer and R&D member **Parto-Ara Co.** Isfahan, Iran	Developing and maintaining of a monitoring, repair and maintenance management system for Mobarakeh Steel Complex, Isfahan, Iran. We installed it in the electric arc furnace (EAF) unit to balance the workload of the workers, equipment and heavy vehicles and increase the throughput of the unit. We were 10 people working on this

Jan 2017 – Jan 2018	project with different roles including managers, networking specialist and developers (3 developers). **WPF, C#, WCF, SQL Server and EntityFraework Code First**

Team head and Developer
Salmanian Co.
Isfahan, Iran
Aug. 2013- Sep. 2016

1) A ground station control software. We were a team of 5 developers which were working together based on scrum and using git.
WPF/C#, Prism, SQL Server, Entity Framework.

2) A software for designing Propellers especially for ships and underwater vehicles such as AUV and ROV. We were 2 developers and a marine engineer on this project.
WPF, C#, C++ and a library for 3D surface and solid Modeling called OpenCASCADE

3) A GPS-free algorithm for determining the robot position. I implemented the algorithm on a real ground robot to show the effectiveness of the algorithm. We also used an augmented reality library to determine the 3D position of the robot using some 2D patterns.
C++, C# and WPF, used Kalman-filter

.NET Developer
Graph Co.
Isfahan, Iran
2008-2010

Developed a software called Hezareh to manage the entire process of printing and publishing everything from a book to a business card. Two versions were released. The project were developed using Visual C# and SQL Server. It was able to update itself from the Internet.

VOLUNTEER EXPERIENCE

Robotic Developer
IUT Artificial Intelligence and Robotics Lab.
IUT, Isfahan, Iran
2011-2012

Developed a controller for an ROV (remotely operated underwater vehicle) in C. The controller (underwater unit) had to communicate with the surface unit (which was developed in Visual C#). It had to send sensors data to the surface unit and receive operator commands to apply them to the ROV actuators. I also developed some parts of the surface unit and added some interactive 3D graphical parts in WPF to it.
C, C#, WPF

EDUCATION

MSc - Artificial Intelligence
Isfahan University of Technology, Isfahan, Iran
2011-2013
Thesis: A scale-invariant descriptor based on covariance matrix for 3D point cloud matching

BSc - Software Engineering
Azad University Isfahan, Iran
2005-2010
Thesis: A time-table scheduling software based on Genetic Algorithm

Skills

Node and Essentials	L*	Other	L	Worked/Familiar with	L	have used	L
Node.js / Express	A	ASP.NET MVC	A	Scrum	B	OpenCV	A
MongoDB	A	C#	A	Unit testing	B	Point Clouds Library(PCL)	A
JavaScript, ES6	A	C/C++	A	Android	B	CGAL(Computational Geometry Algorithms Library)	B
MVC	A	Spring-boot	A	DirectAdmin	B	OpenCASCADE(3D surface and solid modeling)	B
JQuery	A	Java	A	CPanel	B	DotNetNuke	B
Sails.js	A	WPF	A	Plesk	B	NopCommerce	A
Pug,HTM5,CSS3	A	MATLAB	B	NetBeans	B		
Twitter Bootstrap	A	R	B	bitcoind	B		
Semantic-UI	A	Python	B	FreeDOS	B		
Node and Essentials	**L***	**Other**	**L**	**Worked/Familiar with**	**L**	**have used**	**L**

MS Visual Studio Code	A	TypeScript	B	Code::Blocks	A	
React & React Native	B+	MQL5	A	TurboC++	A	
SQL	B	Assembly	A	Asana(asana.com as online project management software)		A
Git	B	MS Visual Studio	A	CorelDRAW		
Linux CentOS	B	MS SQL Server	A	Trello		
Apache	B	PostgreSQL	A	Slack		
Redis	B	Apache Cassandra	B			

***L:** Level of proficiency (**A:** Proficient, **B:** Not Proficient but Familiar/Worked with nearly good)