

Firas Assaad

Software Engineer

Software Engineer with Master's Degree in Computer Science and Artificial Intelligence and 14+ years of experience in Web, Front-End and Back-End development in face-paced customer-facing environments . Skilled in several technologies from backend development using .NET, Java, NodeJs and SQL to frontend using Android, Angular and Javascript. Adapt to different work situations from architecting, developing and implementing systems single-handed to being part of several people sized teams; while handling communication between team members and customers as well as meeting deadlines. I am currently living in the United States and relocating to Lebanon in Summer 2019.

Experience

2017-08 - present	<div>Senior Developer <i>Findley, Inc.</i></div> <p>Architecting and developing different projects related to employee benefits systems (ex: defined benefits & contributions). Currently working on implementation of Security infrastructure of our web systems. Development work on front and back-end systems that are based on technologies including, not limited to, .NET, C#, VB, Java (web and server development) ASP.NET MVC/Core/Razor Pages, WCF, Entity Framework, XPO, Angular, Javascript and Typescript.</p>
2012-10 - 2017-08	<div>Software Engineer <i>Tranztec Solutions, Inc.</i></div> <p>Worked in Agile team of developers for a fast-paced software development solutions firm servicing mainly the Trucking industry.</p> <ul style="list-style-type: none">• Back-end development and integrations with multiple systems within Trucking and Mobile Communication Systems through Web API and direct database.• Command and Control system to remotely manage systems through the use of ASP.NET, Windows and Web Services.• Truck Route Planning using Artificial Intelligence algorithms written in .NET• Developed a reverse proxy system in .NET using raw TCP Sockets allowing two systems to interact with each other behind a firewall.
2008-03 - 2012-10	<div>Software Developer <i>Capstone Computing Inc.</i></div> <p>Single-handedly architected, designed and developed a Therapy company system that consisted of, not limited to, Patient management, billing, scheduling, mobile development, etc. The system implemented Windows WinForms, ASP.NET, Android and Windows Mobile with live synchronization (using raw TCP Sockets). Finally, was the person behind managing and maintaining the system with its back-end MS SQL database server. • Developed Home Health Record Management Software</p>
2006-12 - 2008-03	<div>Computer Technician/Software Developer <i>Owens Community College</i></div> <p>Developed and executed a client-server mass computer setup system that increased speed of provisioning new systems by 80%+ • Developed an automated computer equipment inventory system • Part of Owens' computer technician team handling variety of computer issues around the campus</p>
2001-10 - 2011-11	<div>Software Developer <i>Freelancing</i></div>

Personal Info

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Skills

C# .NET
Java
C/C++
Object Oriented Programming
ASP.NET
Visual Basic .NET
Artificial Intelligence
TCP Sockets Development
Android Mobile Development
Javascript
NodeJs
Angular
Ionic Framework
Apache Cordova
MS SQL Server

- Developed Shopping Cart system • Advanced Web Forum • SpiderBot • Internet Café Management System • Hotel web-based Reservation System
- Reverse engineered legacy systems to track down error in source code, fix, recompile and upload to server, using VB, C# and ASP.NET

Education

2012-01 - 2014-12	University of Toledo, Toledo, OH M.S in Engineering, Software and Intelligent Systems
2008-05 - 2011-05	University of Toledo, Toledo, OH B.S in Computer Science and Engineering

MongoDb

Entity Framework, XPO ORM

Publications

2014-12

Assaad, Firas Souhail, "Biometric multi-modal user authentication system based on ensemble classifier" (2014). Theses and Dissertations. 1761.

Honors

Owens Community College

Phi Theta Kappa International Honor Society

Languages

Arabic - Native

English - Fluent