RaefAbdallah

http://raef.io

Address

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Farmington, MI 48332

Tel

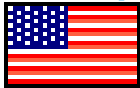(405) 371-1930

Email

Raef.Abdallah@
gmail.com

Programming

Bash, C#, ASP, VB.net, JSP, Java, ASP.net
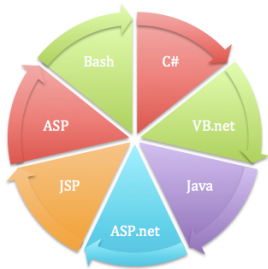
OS Experience

GNU/Linux ★★★☆☆
Unix ★★★☆☆
MacOS ★★★★☆
Windows ★★★★★

Citizenship

Experience

10/16 - Present **Software Craftsman Coach**   Ford Motor Company, MI

Applies company architecture standards appropriately to the solution or service in collaboration with Architects.
Provides input on program estimation and project complexity.
Ensures solutions or services adhere to IT principles such as optimizing system design for performance, maintainability and usability requirements while meeting organization standards, procedures, security, and policies.
Ensures the implementation of the functional/nonfunctional requirements to produce the final solution.
Reviews and refines design components created by an associate designer/developer.
Conducts solution design for medium to large size programs.
May participate in cross-functional global committees (e.g., standards, best practices). Lead and mentor team members to share the design vision of the solution.
Interacts with technical peers (business analysts, developers, architects), IT and business management, and vendors.
Creates IT solutions or services to solve business and infrastructure needs using appropriate design methodologies in close cooperation with business analysts and business customers.
Coaches the use of Test Driven Development (TDD).
Utilizes programming languages such as Java and C#.

08/15 - 9/16 **Senior Software Engineer**   Boeing, Oklahoma City, OK

Responsible for software configuration and release. Ensure that Unit Testing and Test Driven Developmnet (TDD) are adopted.Create software packages using design patterns in C# (MVC, MVVM).Participate in code reviews to ensure that coding standards are applied and followed. Utilize SCRUM as a framework for agile development and ensure that the development process is aligned with the concepts of the Agile Manifesto. Promote pair programming to support the agile development technique. Use Team Foundation Server (TFS) for requirements, tasks, change requests, bugs, and management reports.
Used DOORS for creating and managing requiremnets.

01/16 - 05/16 **Adjunct Faculty**   University of Oklahoma, Norman, OK

Taught a statistical course on quality and reliability in the Industrial and Systems Engineering Department.

08/14 - 05/16 **Adjunct Faculty**   Oklahoma City University, Oklahoma City, OK

Teach Computer Science courses related to objected oriented programming and design patterns.

01/14 - 09/14 **Software Engineer**   Lockheed Martin (FAA), Oklahoma City, OK

Investigated business processes.Provided solutions to improve business processes. Implemented solutions using various technologies (C#, Java, Oracle, JQuery)

06/12 - 01/14 **Software Engineer**   Oklahoma Supreme Court, Oklahoma City, OK

Used TFS for all work related to projects. Introduced Mob programming technique as an extension to agile development to increase productivity and quality in the software development process. Provided flexible technical solutions that focus on maintainability and reusability. Advised upper management on different solutions and provide technical solutions and recommendations. Worked with Microsoft technologies (C#, SQL Server 2008 R2)

10/11 - 09/12 Senior Software Engineer

Adams Communication & Eng. Technology, Waldorf, MD,　　Work location: Oklahoma City

Prepared System Design and other documents. Prepared Business Process Flows, UML diagrams, and other required documentation. Involved in SQL Server 2008 DB schema creation. Used C#, ASP.net, JavaScript, and JQuery. Responsible for Application Architecture and implementing design patterns. Delivered a nationwide multi-million government software project.

02/11 - 09/11 Technical Project Manager　　GovPartner, Cedar Rapids, IA,　　Work location: Doha

Magnaged project in Doha, Qatar and converted user requirements to technical forms. Reviewed the As-Is and To-Be Analysis documents. Oversaw components of projects. Utilized C# and SQL Server 2008 to provide enhancements to a construction permit application. Worked with n-tier C# web project. Used SVN for source control. Developed and delivered progress reports, proposals, requirements documentation, and presentations. Built developed, and grew any business relationships vital to the success of the project.

03/10 - 02/11 Senior Consultant　　Abu Dhabi Municipality, Abu Dhabi, UAE

Implemented a web-based application to provide a faster agency approval process. Utilized levels of encryption in .Net to enhance web security. Managed local and international IT projects and coordinated work across different departments. Supervised new software releases. Integrated .Net web applications with IBM FileNet. Developed web applications that involved multiple outside agencies.

12/08 - 06/09 Applications Specialist　　L3 Communications (FAA), Oklahoma City, OK

Developed ASP web pages for reporting purposes. Created various utilities for work automation using C#. Maintained and developed web applications using ASP, ASP.Net, HTML JavaScript and Oracle. Developed desktop applications using C# and Oracle.

10/07 - 03/08 Software Engineer (Contractor)　　EDS, Oklahoma City, OK

Worked with 3rd party software such as K2.net and InRule. Worked as part of a team to develop .Net application. Reviewed and analyzed organization business needs. Conferred with users to evaluate requirements. Maintained and developed Medicaid Web Applications using C#, AJAX, SQL server 2005, and Oracle. Made changes and corrections as needed.

01/07 - 08/07 Software Engineer　　M3 Gaming of Oklahoma, Oklahoma City, OK

Reviewed and analyzed organization business needs. Analyzed and designed program logic, screen layouts and reports. Supported development of new or enhanced systems. Created windows applications using C# for casinos (marketing and reporting applications). Maintained and developed Windows Applications using C# and SQL server 2005. Used SQL Reporting Services 2005 for generating reports.

06/05 - 01/07 Senior Systems Analyst　　York International, Oklahoma City, OK

Conferred with users in other departments to evaluate requirements. Analyzed and designed program logic, screen layouts, and reports. Maintained and developed Windows Applications using Visual Basic.Net and SQL Server 2000. Created HVAC performance calculator as part of a Unitary Sales Tool (UST). Developed a small size website for marketing department using ASP.Net, JavaScript, VB.net, SQL server 2000. Developed an intranet application for engineering department. Made changes and corrections as needed.

11/02 - 06/04 **Web Applications Specialist** Oklahoma State Department of Education, Oklahoma City, OK
Maintained and developed websites using ASP, ASP.Net, Visual Studio.net, JavaScript, VB, VB.net, C#, SQL server 2000. Generated reports using Crystal reports. Reviewed and analyzed organization business needs. Conferred with users to evaluate requirements. Discussed solutions and developed plan of approach. Analyzed and designed program logic, screen layouts, and reports. Performed all aspects of systems design including writing required programs, testing and evaluation of new processes and implementation of new applications.

05/00 - 11/02 **Customer Service Engineer** Inet Technologies, Richardson, TX
Integrated, tested and diagnosed telecommunications hardware and software systems and peripheral both in-house and at customers' facilities. Automated tasks by writing C Shell scripts in a UNIX environment. Provided technical assistance to customers and internal support personnel. Accomplished the activities needed to successfully complete project implementations, which included, but were not limited to systems deployment, integration testing and maintenance. Configured and customized systems to customer specifications. Provided support for telecommunications systems in the United States, Europe, Japan, and Australia. Supplied information regarding projects to other support groups and departments. Conducted system acceptance with customers. Assisted with the technical and pricing efforts in response to a proposal request. Provided technical assistance to customers such as AT&T, MCI, Williams Communications, Mitsubishi, Telstra, and British Telecom.

10/99 - 04/00 **Programmer** Oklahoma Dept. of Mental Health and Substance Abuse Services, Oklahoma City, OK
Designed screens and generated reports in Visual FoxPro. Used Access as backend database.

Education

2015 **MS in Industrial Engineering** Oklahoma State University, Stillwater, OK

2002 **BS and MS in Computer Science** Oklahoma State University, Stillwater, OK
Title of the Thesis: "Introducing Partially Encoded Record Filter to a Query Optimization Algorithm".

Operating Systems

- Unix
- Linux
- Windows
- Mac OS

Programming Languages

- VB.net
- C#
- Java
- Pascal
- C
- C++
- Ada
- Python
- MATLAB

Areas of Interest

- Software Engineering and Development
- Agile Software Development
- Smart Homes
- Design of Algorithms
- Object Oriented Design
- TDD & BDD

Certifications

2012   **ITIL Foundation**

2004   **Microsoft Certified Application Developer**

Website

http://raef.io
http://raef.oucreate.com

Security Clearance

Public Trust
Active Secret Clearance (Issued 9/2016)