1. **Web Developer (Cox Automotive from Indeed)**

<https://jobs.coxautoinc.com/job/-/-/1645/4705927?src=JB-10003&src=JB-10003>

HTML5 (Bootstrap, YUI Grids)

CSS3 (SCSS/Sass)

JavaScript (jQuery, Underscore.js, Angular.js, etc)

XML

Templating (Velocity Template Language)

Git for version control

**What is Velocity?**

<http://velocity.apache.org/engine/1.7/user-guide.html#what-is-velocity>

Velocity is a Java-based template engine. It permits web page designers to reference methods defined in Java code. Web designers can work in parallel with Java programmers to develop web sites according to the Model-View-Controller (MVC) model, meaning that web page designers can focus solely on creating a well-designed site, and programmers can focus solely on writing top-notch code. Velocity separates Java code from the web pages, making the web site more maintainable over the long run and providing a viable alternative to Java Server Pages (JSPs) or PHP.

Velocity can be used to generate web pages, SQL, PostScript and other output from templates. It can be used either as a standalone utility for generating source code and reports, or as an integrated component of other systems. When complete, Velocity will provide template services for the Turbine web application framework. Velocity+Turbine will provide a template service that will allow web applications to be developed according to a true MVC model.

**Underscore.js**

<http://underscorejs.org/>

Underscore is a JavaScript library that provides a whole mess of useful functional programming helpers without extending any built-in objects. It’s the answer to the question: “If I sit down in front of a blank HTML page, and want to start being productive immediately, what do I need?” … and the tie to go along with jQuery's tux and Backbone's suspenders.

Underscore provides over 100 functions that support both your favorite workaday functional helpers: map, filter, invoke — as well as more specialized goodies: function binding, javascript templating, creating quick indexes, deep equality testing, and so on.

**YUI (Yahoo User Interface library) Grids**

<http://yui.github.io/yui2/docs/yui_2.9.0_full/grids/>

<https://yuilibrary.com/>

YUI is a free, open source JavaScript and CSS library for building richly interactive web applications.

**SCSS/Sass**

<http://sass-lang.com/>

The new main syntax (as of **Sass** 3) is known as “**SCSS**” (for “Sassy CSS”), and is a superset of CSS3's syntax. This means that every valid CSS3 stylesheet is valid**SCSS** as well. **SCSS** files use the extension .**scss**. The second, older syntax is known as the indented syntax (or just “**Sass**”).

1. **Web Developer (Acer IT Consulting)**

<https://www.dice.com/jobs/detail/75025/90989357/012013>

Working knowledge in C#, ASP.NET

2+ years of working experience with REACT

**C Sharp (programming language)**

<https://en.wikipedia.org/wiki/C_Sharp_(programming_language)>

*The correct title of this article is****C# (programming language)****.*

**C#**[[note 2]](https://en.wikipedia.org/wiki/C_Sharp_(programming_language)#cite_note-13) (pronounced as *see sharp*) is a [multi-paradigm programming language](https://en.wikipedia.org/wiki/Multi-paradigm_programming_language) encompassing [strong typing](https://en.wikipedia.org/wiki/Strong_typing), [imperative](https://en.wikipedia.org/wiki/Imperative_programming), [declarative](https://en.wikipedia.org/wiki/Declarative_programming), [functional](https://en.wikipedia.org/wiki/Functional_programming), [generic](https://en.wikipedia.org/wiki/Generic_programming), [object-oriented](https://en.wikipedia.org/wiki/Object-oriented_programming) ([class](https://en.wikipedia.org/wiki/Class_(computer_science))-based), and [component-oriented](https://en.wikipedia.org/wiki/Component-based_software_engineering) programming disciplines. It was developed by [Microsoft](https://en.wikipedia.org/wiki/Microsoft) within its [.NET](https://en.wikipedia.org/wiki/.NET_Framework) initiative and later approved as a standard by [Ecma](https://en.wikipedia.org/wiki/Ecma_International) (ECMA-334) and [ISO](https://en.wikipedia.org/wiki/International_Organization_for_Standardization) (ISO/IEC 23270:2006). C# is one of the programming languages designed for the [Common Language Infrastructure](https://en.wikipedia.org/wiki/Common_Language_Infrastructure).

C# is a general-purpose, object-oriented programming language.[[12]](https://en.wikipedia.org/wiki/C_Sharp_(programming_language)#cite_note-ECMA-334-14) Its development team is led by [Anders Hejlsberg](https://en.wikipedia.org/wiki/Anders_Hejlsberg). The most recent version is C# 7.0 which was released in 2017 along with Visual Studio 2017.[[13]](https://en.wikipedia.org/wiki/C_Sharp_(programming_language)#cite_note-new_features_in_7-15)

**ASP.NET**

<https://en.wikipedia.org/wiki/ASP.NET>

**ASP.NET** is an [open-source](https://en.wikipedia.org/wiki/Open_source)[[2]](https://en.wikipedia.org/wiki/ASP.NET#cite_note-2) [server-side](https://en.wikipedia.org/wiki/Server-side_scripting) [web application framework](https://en.wikipedia.org/wiki/Web_application_framework) designed for [web development](https://en.wikipedia.org/wiki/Web_development) to produce [dynamic web pages](https://en.wikipedia.org/wiki/Dynamic_web_page). It was developed by [Microsoft](https://en.wikipedia.org/wiki/Microsoft) to allow [programmers](https://en.wikipedia.org/wiki/Programmer) to build dynamic [web sites](https://en.wikipedia.org/wiki/Web_site), [web applications](https://en.wikipedia.org/wiki/Web_application) and [web services](https://en.wikipedia.org/wiki/Web_service).

It was first released in January 2002 with version 1.0 of the [.NET Framework](https://en.wikipedia.org/wiki/.NET_Framework), and is the successor to Microsoft's [Active Server Pages](https://en.wikipedia.org/wiki/Active_Server_Pages) (ASP) technology. ASP.NET is built on the [Common Language Runtime](https://en.wikipedia.org/wiki/Common_Language_Runtime) (CLR), allowing programmers to write ASP.NET code using any supported [.NET language](https://en.wikipedia.org/wiki/List_of_CLI_languages). The ASP.NET [SOAP](https://en.wikipedia.org/wiki/SOAP) extension framework allows ASP.NET components to process SOAP messages.

ASP.NET's successor is [ASP.NET Core](https://en.wikipedia.org/wiki/ASP.NET_Core). It is a re-implementation of ASP.NET as a modular [web framework](https://en.wikipedia.org/wiki/Web_framework), together with other frameworks like [Entity Framework](https://en.wikipedia.org/wiki/Entity_Framework). The new framework uses the new open-source [.NET Compiler Platform](https://en.wikipedia.org/wiki/.NET_Compiler_Platform) (codename "Roslyn") and is [cross platform](https://en.wikipedia.org/wiki/Cross_platform). [ASP.NET MVC](https://en.wikipedia.org/wiki/ASP.NET_MVC), ASP.NET Web API, and ASP.NET Web Pages (a platform using only [Razor](https://en.wikipedia.org/wiki/ASP.NET_Razor) pages) have merged into a unified MVC 6.[[3]](https://en.wikipedia.org/wiki/ASP.NET#cite_note-asp.net-3)

**React (JavaScript library)**

<https://en.wikipedia.org/wiki/React_(JavaScript_library)>

<https://github.com/facebook/react>

**React** (sometimes styled **React.js** or **ReactJS**) is an [open-source](https://en.wikipedia.org/wiki/Open-source_software) [JavaScript library](https://en.wikipedia.org/wiki/JavaScript_library)[[2]](https://en.wikipedia.org/wiki/React_(JavaScript_library)#cite_note-2) for building [user interfaces](https://en.wikipedia.org/wiki/User_interfaces).

It is maintained by [Facebook](https://en.wikipedia.org/wiki/Facebook), [Instagram](https://en.wikipedia.org/wiki/Instagram) and a community of individual developers and corporations.[[3]](https://en.wikipedia.org/wiki/React_(JavaScript_library)#cite_note-3)[[4]](https://en.wikipedia.org/wiki/React_(JavaScript_library)#cite_note-4)[[5]](https://en.wikipedia.org/wiki/React_(JavaScript_library)#cite_note-5) According to [JavaScript](https://en.wikipedia.org/wiki/JavaScript) analytics service [Libscore](https://en.wikipedia.org/wiki/Libscore), React is currently being used on the websites of [Netflix](https://en.wikipedia.org/wiki/Netflix), [Imgur](https://en.wikipedia.org/wiki/Imgur), [Buffer](https://en.wikipedia.org/wiki/Buffer), [Bleacher Report](https://en.wikipedia.org/wiki/Bleacher_Report), [Feedly](https://en.wikipedia.org/wiki/Feedly), [Airbnb](https://en.wikipedia.org/wiki/Airbnb), [SeatGeek](https://en.wikipedia.org/wiki/SeatGeek), [HelloSign](https://en.wikipedia.org/wiki/HelloSign), [Walmart](https://en.wikipedia.org/wiki/Walmart), and others.[[6]](https://en.wikipedia.org/wiki/React_(JavaScript_library)#cite_note-6)

React allows developers to create large web applications that use data which can change over time, without reloading the page. Its main goal is to be fast, simple and scalable. React processes only user interfaces in applications. This corresponds to View in the [Model-View-Controller](https://en.wikipedia.org/wiki/Model-View-Controller) (MVC) template, and can be used in combination with other [JavaScript](https://en.wikipedia.org/wiki/JavaScript) libraries or frameworks in MVC, such as [AngularJS](https://en.wikipedia.org/wiki/AngularJS).[[7]](https://en.wikipedia.org/wiki/React_(JavaScript_library)#cite_note-7)

1. **Web Developer (Robert Half Technology)**

<https://www.dice.com/jobs/detail/75202/rhalfint/04380%26%23450009248520>

Job Requirements

Java

WebMethods 9.0+

JMS

PUB/SUB Pattern

EDI

B2B

Agile

SCRUM

**Java (programming language)**

<https://en.wikipedia.org/wiki/Java_(programming_language)>

<https://www.oracle.com/java/index.html>

**Java** is a general-purpose [computer programming language](https://en.wikipedia.org/wiki/Programming_language) that is [concurrent](https://en.wikipedia.org/wiki/Concurrent_computing), [class-based](https://en.wikipedia.org/wiki/Class-based_programming), [object-oriented](https://en.wikipedia.org/wiki/Object-oriented_programming),[[14]](https://en.wikipedia.org/wiki/Java_(programming_language)#cite_note-FOOTNOTEGoslingJoySteeleBracha20141-14) and specifically designed to have as few implementation dependencies as possible. It is intended to let application developers "[write once, run anywhere](https://en.wikipedia.org/wiki/Write_once,_run_anywhere)" (WORA),[[15]](https://en.wikipedia.org/wiki/Java_(programming_language)#cite_note-15) meaning that [compiled](https://en.wikipedia.org/wiki/Compiler) Java code can run on all platforms that support Java without the need for recompilation.[[16]](https://en.wikipedia.org/wiki/Java_(programming_language)#cite_note-design_goals-16) Java applications are typically compiled to [bytecode](https://en.wikipedia.org/wiki/Java_bytecode) that can run on any [Java virtual machine](https://en.wikipedia.org/wiki/Java_virtual_machine) (JVM) regardless of [computer architecture](https://en.wikipedia.org/wiki/Computer_architecture). As of 2016, Java is one of the most [popular programming languages in use](https://en.wikipedia.org/wiki/Measuring_programming_language_popularity),[[17]](https://en.wikipedia.org/wiki/Java_(programming_language)#cite_note-17)[[18]](https://en.wikipedia.org/wiki/Java_(programming_language)#cite_note-18)[[19]](https://en.wikipedia.org/wiki/Java_(programming_language)#cite_note-languagepopularity2013-19)[[20]](https://en.wikipedia.org/wiki/Java_(programming_language)#cite_note-20) particularly for client-server web applications, with a reported 9 million developers.[[21]](https://en.wikipedia.org/wiki/Java_(programming_language)#cite_note-21) Java was originally developed by [James Gosling](https://en.wikipedia.org/wiki/James_Gosling) at [Sun Microsystems](https://en.wikipedia.org/wiki/Sun_Microsystems) (which has since been [acquired by Oracle Corporation](https://en.wikipedia.org/wiki/Sun_acquisition_by_Oracle)) and released in 1995 as a core component of Sun Microsystems' [Java platform](https://en.wikipedia.org/wiki/Java_(software_platform)). The language derives much of its [syntax](https://en.wikipedia.org/wiki/Syntax_(programming_languages)) from [C](https://en.wikipedia.org/wiki/C_(programming_language)) and [C++](https://en.wikipedia.org/wiki/C%2B%2B), but it has fewer [low-level](https://en.wikipedia.org/wiki/Low-level_programming_language) facilities than either of them.

The original and [reference implementation](https://en.wikipedia.org/wiki/Reference_implementation) Java [compilers](https://en.wikipedia.org/wiki/Compiler), virtual machines, and [class libraries](https://en.wikipedia.org/wiki/Library_(computing)) were originally released by Sun under proprietary licenses. As of May 2007, in compliance with the specifications of the [Java Community Process](https://en.wikipedia.org/wiki/Java_Community_Process), Sun [relicensed](https://en.wikipedia.org/wiki/Software_relicensing) most of its Java technologies under the [GNU General Public License](https://en.wikipedia.org/wiki/GNU_General_Public_License). Others have also developed alternative implementations of these Sun technologies, such as the [GNU Compiler for Java](https://en.wikipedia.org/wiki/GNU_Compiler_for_Java) (bytecode compiler), [GNU Classpath](https://en.wikipedia.org/wiki/GNU_Classpath) (standard libraries), and [IcedTea](https://en.wikipedia.org/wiki/IcedTea)-Web (browser plugin for applets).

The latest version is [Java 8](https://en.wikipedia.org/wiki/Java_version_history) which is the only version currently supported for free by Oracle, although earlier versions are supported both by Oracle and other companies on a commercial basis.

**webMethods Integration Server**

<https://en.wikipedia.org/wiki/WebMethods_Integration_Server>

**webMethods Integration Server** is one of the core application servers in the [webMethods](https://en.wikipedia.org/wiki/WebMethods) platform. It is a [Java](https://en.wikipedia.org/wiki/Java_(programming_language))-based, multiplatform enterprise integration server. It supports the integration of diverse services, such as mapping data between formats and communication between systems. An integration server may also be known as the core of [webMethods Enterprise Service Bus](https://en.wikipedia.org/w/index.php?title=WebMethods_Enterprise_Service_Bus&action=edit&redlink=1).[[*citation needed*](https://en.wikipedia.org/wiki/Wikipedia:Citation_needed)]

The Integration Server supports Java, C/C++ programming languages for writing services as well as a proprietary graphical language known as [flow](https://en.wikipedia.org/wiki/WebMethods_flow). It also supports graphical configuration of 3rd party system operations via the concept of "Adapter services".[[2]](https://en.wikipedia.org/wiki/WebMethods_Integration_Server#cite_note-wmISDataSheet-2)[[3]](https://en.wikipedia.org/wiki/WebMethods_Integration_Server#cite_note-wmAdaptersDatasheet-3)

The Integration Server exposes its administration, configuration and auditing facilities to the user via an HTML web interface.

**webMethods JMS messaging (webMethods JMS Tutorial)**

<http://tech.forums.softwareag.com/techjforum/posts/list/33765.page>

See Link

**Publish–subscribe pattern (PUB/SUB Pattern)**

<https://en.wikipedia.org/wiki/Publish%E2%80%93subscribe_pattern>

In [software architecture](https://en.wikipedia.org/wiki/Software_architecture), **publish–subscribe** is a [messaging pattern](https://en.wikipedia.org/wiki/Messaging_pattern) where senders of [messages](https://en.wikipedia.org/wiki/Message_passing), called publishers, do not program the messages to be sent directly to specific receivers, called subscribers, but instead characterize published messages into classes without knowledge of which subscribers, if any, there may be. Similarly, subscribers express interest in one or more classes and only receive messages that are of interest, without knowledge of which publishers, if any, there are.

Publish–subscribe is a sibling of the [message queue](https://en.wikipedia.org/wiki/Message_queue) paradigm, and is typically one part of a larger [message-oriented middleware](https://en.wikipedia.org/wiki/Message-oriented_middleware) system. Most messaging systems support both the pub/sub and message queue models in their [API](https://en.wikipedia.org/wiki/Application_programming_interface), e.g. [Java Message Service](https://en.wikipedia.org/wiki/Java_Message_Service) (JMS).

This pattern provides greater network [scalability](https://en.wikipedia.org/wiki/Scalability) and a more dynamic [network topology](https://en.wikipedia.org/wiki/Network_topology), with a resulting decreased flexibility to modify the publisher and the structure of the published data.

**EDI (webMethods EDI mapping) Video**

<https://youtu.be/pq2nAAi9YoY>

**EDI (Basics of EDI) Video**

<https://youtu.be/es9bEJbmGMQ>

**B2B**

A business-to-business (**B2B**) **website** is a **website** that is designed for the explicit purpose of selling products and services to businesses and not retail consumers. The sites www.oracle.com, www.cat.com, and www.uline.com are good examples of **B2B**websites.

*6 Incredible Examples of B2B Web Design*

<https://www.newbreedmarketing.com/blog/b2b-web-design-examples>

*WHAT IS A B2B WEBSITE?*

<http://www.dmzinteractive.com/blog/what-b2b-website>

**Agile Software Development (ASD)**

<http://searchsoftwarequality.techtarget.com/definition/agile-software-development>

In software application development, agile software development (ASD) is a methodology for the creative process that anticipates the need for flexibility and applies a level of pragmatism into the delivery of the finished product. Agile software development focuses on keeping code simple, testing often, and delivering functional bits of the application as soon as they're ready. The goal of ASD is to build upon small client-approved parts as the project progresses, as opposed to delivering one large application at the end of the project.

**Agile Project Management**

<http://searchcio.techtarget.com/definition/Agile-project-management>

Agile project management is an iterative approach to planning and guiding project processes.

Just as in agile software development, an agile project is completed in small sections called iterations. Each iteration is reviewed and critiqued by the project team, which may include representatives of the client business as well as employees. Insights gained from the critique of an iteration are used to determine what the next step should be in the project. Each project iteration is typically scheduled to be completed within two weeks.

The main benefit of agile project management is its ability to respond to issues as they arise throughout the course of the project. Making a necessary change to a project at the right time can save resources and, ultimately, help deliver a successful project on time and within budget.

Because agile management relies on the ability to make decisions quickly, it is not suitable for organizations that tend to deliberate over issues for a prolonged period or for those that take decisions to a committee.

**SCRUM (Learn About Scrum)**

<https://www.scrumalliance.org/why-scrum>

Scrum is an [Agile framework](https://www.scrumalliance.org/why-scrum/core-scrum-values-roles) for completing complex projects. Scrum originally was formalized for software development projects, but it works well for any complex, innovative scope of work. The possibilities are endless. The Scrum framework is deceptively simple. - See more at: https://www.scrumalliance.org/why-scrum#sthash.g3JPEwDK.dpuf

<https://en.wikipedia.org/wiki/Scrum_(software_development)>

**Scrum** is an iterative and incremental [agile software development](https://en.wikipedia.org/wiki/Agile_software_development) framework for managing product development.[[1]](https://en.wikipedia.org/wiki/Scrum_(software_development)#cite_note-scrumalliance-1)[[2]](https://en.wikipedia.org/wiki/Scrum_(software_development)#cite_note-gunther-2) It defines "a flexible, [holistic](https://en.wikipedia.org/wiki/Holism) product development strategy where a development team works as a unit to reach a common goal",[[3]](https://en.wikipedia.org/wiki/Scrum_(software_development)#cite_note-TakeuchiNonaka-3) challenges assumptions of the "traditional, sequential approach"[[3]](https://en.wikipedia.org/wiki/Scrum_(software_development)#cite_note-TakeuchiNonaka-3) to product development, and enables teams to self-organize by encouraging physical [co-location](https://en.wikipedia.org/wiki/Colocation_(business)) or close online collaboration of all team members, as well as daily face-to-face communication among all team members and disciplines involved.

A key principle of Scrum is the dual recognition that customers will change their minds about what they want or need (often called requirements volatility[[4]](https://en.wikipedia.org/wiki/Scrum_(software_development)#cite_note-4)) and that there will be unpredictable challenges—for which a predictive or planned approach is not suited. As such, Scrum adopts an evidence-based [empirical approach](https://en.wikipedia.org/w/index.php?title=Empirical_process_(process_control_model)&action=edit&redlink=1)—accepting that the problem cannot be fully understood or defined up front, and instead focusing on how to maximize the team's ability to deliver quickly, to respond to emerging requirements, and to adapt to evolving technologies and changes in market conditions.

1. **Entry-Level Software Engineer (Lone Wolf Technologies from Indeed)**

<http://recruit.hirebridge.com/v3/Jobs/JobDetails.aspx?hbid=20144996470524&cid=7625&locvalue=1030#.WT10ObPTsSw.email>

Who will we hire? Candidates will have:

Bachelor’s Degree in Computer Science, Computer Engineering or other related subject.

0-2 years' experience

Familiarity with .Net, Java and SQL (any implementation: mySQL, SQL Server, PostgreSQL, Sybase, Oracle, etc.)

Familiarity with Amazon Web Services (AWS) and knowledge of basic project management principles or Web Application Security fundamentals (OWASP, OAUTH) are a bonus

This is an excellent opportunity to apply your conceptual or practical awareness of Agile methodologies in a team-based setting

**.NET Framework**

<https://en.wikipedia.org/wiki/.NET_Framework>

**.NET Framework** (pronounced *dot net*) is a [software framework](https://en.wikipedia.org/wiki/Software_framework) developed by [Microsoft](https://en.wikipedia.org/wiki/Microsoft) that runs primarily on [Microsoft Windows](https://en.wikipedia.org/wiki/Microsoft_Windows). It includes a large [class library](https://en.wikipedia.org/wiki/Class_library) named [Framework Class Library](https://en.wikipedia.org/wiki/Framework_Class_Library) (FCL) and provides [language interoperability](https://en.wikipedia.org/wiki/Language_interoperability) (each language can use code written in other languages) across several [programming languages](https://en.wikipedia.org/wiki/Programming_language). Programs written for .NET Framework execute in a [software](https://en.wikipedia.org/wiki/Software) environment (in contrast to a [hardware](https://en.wikipedia.org/wiki/Computer_hardware) environment) named [Common Language Runtime](https://en.wikipedia.org/wiki/Common_Language_Runtime) (CLR), an [application virtual machine](https://en.wikipedia.org/wiki/Process_virtual_machine) that provides services such as security, [memory management](https://en.wikipedia.org/wiki/Memory_management), and [exception handling](https://en.wikipedia.org/wiki/Exception_handling). (As such, computer code written using .NET Framework is called "[managed code](https://en.wikipedia.org/wiki/Managed_code)".) FCL and CLR together constitute .NET Framework.

FCL provides [user interface](https://en.wikipedia.org/wiki/User_interface), [data access](https://en.wikipedia.org/wiki/Data_access), [database connectivity](https://en.wikipedia.org/wiki/Database_connection), [cryptography](https://en.wikipedia.org/wiki/Cryptography), [web application](https://en.wikipedia.org/wiki/Web_application) development, numeric [algorithms](https://en.wikipedia.org/wiki/Algorithm), and [network communications](https://en.wikipedia.org/wiki/Computer_networking). Programmers produce software by combining their [source code](https://en.wikipedia.org/wiki/Source_code) with .NET Framework and other libraries. The framework is intended to be used by most new applications created for the Windows platform. Microsoft also produces an [integrated development environment](https://en.wikipedia.org/wiki/Integrated_development_environment) largely for .NET software called [Visual Studio](https://en.wikipedia.org/wiki/Microsoft_Visual_Studio).

.NET Framework began as [proprietary software](https://en.wikipedia.org/wiki/Proprietary_software), although the firm worked to [standardize](https://en.wikipedia.org/wiki/Software_standard) the software stack almost immediately, even before its first release. Despite the standardization efforts, developers, mainly those in the [free and open-source software](https://en.wikipedia.org/wiki/Free_and_open-source_software) communities, expressed their unease with the selected terms and the prospects of any free and open-source implementation, especially regarding [software patents](https://en.wikipedia.org/wiki/Software_patent). Since then, Microsoft has changed .NET development to more closely follow a contemporary model of a community-developed software project, including issuing an update to its patent promising to address the concerns.

.NET Framework led to a family of .NET platforms targeting [mobile computing](https://en.wikipedia.org/wiki/Mobile_computing), [embedded devices](https://en.wikipedia.org/wiki/Embedded_device), alternative [operating systems](https://en.wikipedia.org/wiki/Operating_system), and [web browser plug-ins](https://en.wikipedia.org/wiki/Browser_extension). A reduced version of the framework, [.NET Compact Framework](https://en.wikipedia.org/wiki/.NET_Compact_Framework), is available on [Windows CE](https://en.wikipedia.org/wiki/Windows_CE) platforms, including [Windows Mobile](https://en.wikipedia.org/wiki/Windows_Mobile) devices such as [smartphones](https://en.wikipedia.org/wiki/Smartphone). [.NET Micro Framework](https://en.wikipedia.org/wiki/.NET_Micro_Framework) is targeted at very resource-constrained embedded devices. [Silverlight](https://en.wikipedia.org/wiki/Silverlight) was available as a [web browser](https://en.wikipedia.org/wiki/Web_browser) plugin. [Mono](https://en.wikipedia.org/wiki/Mono_(software)) is available for many operating systems and is customized into popular smartphone operating systems ([Android](https://en.wikipedia.org/wiki/Android_(operating_system)) and [iOS](https://en.wikipedia.org/wiki/IOS)) and [game engines](https://en.wikipedia.org/wiki/Game_engine). [.NET Core](https://en.wikipedia.org/wiki/.NET_Framework#.NET_Core) targets the [Universal Windows Platform](https://en.wikipedia.org/wiki/Universal_Windows_Platform) (UWP), and [cross-platform](https://en.wikipedia.org/wiki/Cross-platform) and [cloud computing](https://en.wikipedia.org/wiki/Cloud_computing) workloads.

**Download .NET Framework**

The .NET Framework provides a comprehensive programming model for building all kinds of applications on Windows, from mobile to web to desktop.

**Download Visual Studio**

Visual Studio includes everything you need to create applications that use the .NET Framework.

|  |
| --- |
| [**Download Visual Studio 2017**](https://www.visualstudio.com/thank-you-downloading-visual-studio/?sku=community&rel=15) |

## **Download .NET Framework**

If you want to download the .NET Framework only, you can select it from the list below:

|  |
| --- |
| [**.NET Framework 4.7**](http://go.microsoft.com/fwlink/?LinkId=825299&source=mscom-net&desc=dotnet47) |

**PostgreSQL**

<https://www.postgresql.org/>

<https://www.postgresql.org/about/>

PostgreSQL is a powerful, open source object-relational database system. It has more than 15 years of active development and a proven architecture that has earned it a strong reputation for reliability, data integrity, and correctness. It runs on all major operating systems, including Linux, UNIX (AIX, BSD, HP-UX, SGI IRIX, macOS, Solaris, Tru64), and Windows. It is fully ACID compliant, has full support for foreign keys, joins, views, triggers, and stored procedures (in multiple languages). It includes most SQL:2008 data types, including INTEGER, NUMERIC, BOOLEAN, CHAR, VARCHAR, DATE, INTERVAL, and TIMESTAMP. It also supports storage of binary large objects, including pictures, sounds, or video. It has native programming interfaces for C/C++, Java, .Net, Perl, Python, Ruby, Tcl, ODBC, among others, and exceptional documentation.

An enterprise class database, PostgreSQL boasts sophisticated features such as Multi-Version Concurrency Control (MVCC), point in time recovery, tablespaces, asynchronous replication, nested transactions (savepoints), online/hot backups, a sophisticated query planner/optimizer, and write ahead logging for fault tolerance. It supports international character sets, multibyte character encodings, Unicode, and it is locale-aware for sorting, case-sensitivity, and formatting. It is highly scalable both in the sheer quantity of data it can manage and in the number of concurrent users it can accommodate. There are active PostgreSQL systems in production environments that manage in excess of 4 terabytes of data. Some general PostgreSQL limits are included in the table below.

**Sybase**

<https://www.sap.com/products/sybase-ase.html>

Fast-track transaction processing with the SAP ASE relational database server

Drive faster, more reliable online transaction processing (OLTP) – for less – with SAP Adaptive Server Enterprise (formerly SAP Sybase ASE). Designed to meet the demands of the digital economy, this high-performance SQL database server uses a relational model to power transaction-based applications – on premise or in the cloud.

**Amazon Web Services (AWS)**

<https://aws.amazon.com/>

*Cloud Computing with Amazon Web Services*

<https://aws.amazon.com/what-is-aws/>

Amazon Web Services (AWS) is a secure cloud services platform, offering compute power, database storage, content delivery and other functionality to help businesses scale and grow. Explore how millions of customers are currently leveraging AWS cloud products and solutions to build sophisticated applications with increased flexibility, scalability and reliability.

**OWASP (Open Web Application Security Project)**

<https://www.owasp.org/index.php/Main_Page>

Every vibrant technology marketplace needs an unbiased source of information on best practices as well as an active body advocating open standards. In the Application Security space, one of those groups is the Open Web Application Security Project (or OWASP for short).

The Open Web Application Security Project (OWASP) is a [501(c)(3)](http://www.irs.gov/Charities-&-Non-Profits/Charitable-Organizations/Exemption-Requirements-Section-501(c)(3)-Organizations) worldwide not-for-profit charitable organization focused on improving the security of software. Our mission is to make software security [visible,](https://www.owasp.org/index.php/Category:OWASP_Video) so that [individuals and organizations](https://www.owasp.org/index.php/Industry:Citations)are able to make informed decisions.

OWASP is in a unique position to provide impartial, practical information about AppSec to individuals, corporations, universities, government agencies and other organizations worldwide. Operating as a community of like-minded professionals, OWASP issues software tools and knowledge-based documentation on application security.

Everyone is free to participate in OWASP and all of our materials are available under a free and open software license. You'll find everything [**about OWASP**](https://www.owasp.org/index.php/About_OWASP) here on or linked from our wiki and current information on our [OWASP Blog](http://owasp.blogspot.com/). OWASP **does not endorse or recommend commercial products or services**, allowing our community to remain vendor neutral with the collective wisdom of the best minds in software security worldwide.

**OAUTH**

<https://en.wikipedia.org/wiki/OAuth>

OAuth (Open Authorization) is an open standard for token-based authentication and authorization on the Internet. OAuth, which is pronounced "oh-auth," allows an end user's account information to be used by third-party services, such as Facebook, without exposing the user's password.

**OAuth 2.0**

OAuth 2.0 is the industry-standard protocol for authorization. OAuth 2.0 supersedes the work done on the original OAuth protocol created in 2006. OAuth 2.0 focuses on client developer simplicity while providing specific authorization flows for web applications, desktop applications, mobile phones, and living room devices. This specification is being developed within the [IETF OAuth WG](https://www.ietf.org/mailman/listinfo/oauth).

1. **Web Developer (Cogent Data Solutions Llc,)**

<https://www.dice.com/jobs/detail/75202/10504512/030310>

Years/Skills/Experience

8 Experience of web and mobile application development

5 Demonstrated experience with C# .NET and SQL Server.

2 Experience with ASP .NET MVC, ASP .NET WebAPI, Entity Framework and HTML 5 required.

1 Experience with Angular JS

**Learn About ASP.NET Web API**

<https://www.asp.net/web-api>

ASP.NET Web API is a framework that makes it easy to build HTTP services that reach a broad range of clients, including browsers and mobile devices. ASP.NET Web API is an ideal platform for building RESTful applications on the .NET Framework.

**ASP .NET MVC**

<https://www.asp.net/mvc>

The **ASP**.**NET MVC** framework is a lightweight, highly testable presentation framework that (as with Web Forms-based applications) is integrated with existing **ASP**.**NET** features, such as master pages and membership-based authentication. The **MVC** framework is defined in the System.Web.**Mvc** assembly.

**Learn About ASP.NET MVC**

ASP.NET MVC gives you a powerful, patterns-based way to build dynamic websites that enables a clean separation of concerns and that gives you full control over markup for enjoyable, agile development. ASP.NET MVC includes many features that enable fast, TDD-friendly development for creating sophisticated applications that use the latest web standards.

**Entity Framework**

<https://msdn.microsoft.com/en-us/library/aa937723(v=vs.113).aspx>

*Entity Framework* (EF) is an object-relational mapper that enables .NET developers to work with relational data using domain-specific objects. It eliminates the need for most of the data-access code that developers usually need to write.

**Entity Framework** (EF) is an open source object-relational mapping (ORM) **framework** for ADO.NET. <https://en.wikipedia.org/wiki/Entity_Framework>

**HTML5 Introduction - W3Schools**

<https://www.w3schools.com/html/html5_intro.asp>

WHATWG wanted to develop HTML as a "Living Standard". A living standard is always updated and improved. New features can be added, but old functionality cannot be removed. The WHATWG HTML5 Living Standard was published in 2012, and is continuously updated. W3C wanted to develop a definitive HTML5 and XHTML standard.

**HTML5** is a markup language used for structuring and presenting content on the World Wide Web. It is the fifth and current version of the **HTML** standard.

**HTML5 – A vocabulary and associated APIs for HTML and XHTML**

<https://www.w3.org/TR/html5/>

This specification defines the 5th major revision of the core language of the World Wide Web: the Hypertext Markup Language (HTML). In this version, new features are introduced to help Web application authors, new elements are introduced based on research into prevailing authoring practices, and special attention has been given to defining clear conformance criteria for user agents in an effort to improve interoperability.

**Angular JS**

<https://angularjs.org/>

**Why AngularJS?**

HTML is great for declaring static documents, but it falters when we try to use it for declaring dynamic views in web-applications. AngularJS lets you extend HTML vocabulary for your application. The resulting environment is extraordinarily expressive, readable, and quick to develop.

**AngularJS** (commonly referred to as "**Angular.js**" or "**AngularJS 1.X**") is a JavaScript-based [open-source](https://en.wikipedia.org/wiki/Open-source_software) front-end [web application framework](https://en.wikipedia.org/wiki/Web_application_framework) mainly maintained by [Google](https://en.wikipedia.org/wiki/Google) and by a community of individuals and corporations to address many of the challenges encountered in developing [single-page applications](https://en.wikipedia.org/wiki/Single-page_application). The JavaScript components complement [Apache Cordova](https://en.wikipedia.org/wiki/Apache_Cordova), the framework used for developing cross-platform mobile apps. It aims to simplify both the development and the [testing](https://en.wikipedia.org/wiki/Software_testing) of such applications by providing a framework for client-side [model–view–controller](https://en.wikipedia.org/wiki/Model%E2%80%93view%E2%80%93controller) (MVC) and [model–view–viewmodel](https://en.wikipedia.org/wiki/Model_View_ViewModel) (MVVM) architectures, along with components commonly used in [rich Internet applications](https://en.wikipedia.org/wiki/Rich_Internet_application). In 2014, the original AngularJS team began working on [Angular (Application Platform)](https://en.wikipedia.org/wiki/Angular_(Application_Platform)).

The AngularJS framework works by first reading the [HTML](https://en.wikipedia.org/wiki/HTML) page, which has embedded into it additional custom [tag attributes](https://en.wikipedia.org/wiki/HTML_attribute). Angular interprets those attributes as [directives](https://en.wikipedia.org/wiki/Directive_(programming)) to bind input or output parts of the page to a model that is represented by standard [JavaScript](https://en.wikipedia.org/wiki/JavaScript) [variables](https://en.wikipedia.org/wiki/Variable_(computer_science)). The values of those JavaScript variables can be manually set within the code, or retrieved from static or dynamic [JSON](https://en.wikipedia.org/wiki/JSON) resources.

According to [JavaScript](https://en.wikipedia.org/wiki/JavaScript) analytics service [Libscore](https://en.wikipedia.org/wiki/Libscore), AngularJS is used on the websites of [Wolfram Alpha](https://en.wikipedia.org/wiki/Wolfram_Alpha), [NBC](https://en.wikipedia.org/wiki/NBC), [Walgreens](https://en.wikipedia.org/wiki/Walgreens), [Intel](https://en.wikipedia.org/wiki/Intel), [Sprint](https://en.wikipedia.org/wiki/Sprint_Nextel), [ABC News](https://en.wikipedia.org/wiki/ABC_News), and approximately 12,000 other sites out of 1 million tested in October 2016.[[3]](https://en.wikipedia.org/wiki/AngularJS#cite_note-3) AngularJS is the 10th most starred project of all time on GitHub.[[4]](https://en.wikipedia.org/wiki/AngularJS#cite_note-4)

AngularJS is the frontend part of the [MEAN stack](https://en.wikipedia.org/wiki/MEAN_(software_bundle)), consisting of [**M**ongoDB](https://en.wikipedia.org/wiki/MongoDB) database, [**E**xpress.js](https://en.wikipedia.org/wiki/Express.js) web application server framework, **A**ngular.js itself, and [**N**ode.js](https://en.wikipedia.org/wiki/Node.js) server runtime environment.

**AngularJS Tutorial**

<https://www.w3schools.com/angular/default.asp>

This tutorial is specially designed to help you learn AngularJS as quickly and efficiently as possible.

First, you will learn the basics of AngularJS: directives, expressions, filters, modules, and controllers.

Then you will learn everything else you need to know about AngularJS:

Events, DOM, Forms, Input, Validation, Http, and more.

1. **Senior Mobile Web Developer (TechTank)**

<https://www.dice.com/jobs/detail/75202/90900597/023911>

8 Experience of web and mobile application development

5 Demonstrated experience with C# .NET and SQL Server.

2 Experience with ASP .NET MVC, ASP .NET WebAPI, Entity Framework and HTML 5 required.

1 Experience with Angular JS

**SQL Server**

Microsoft **SQL Server** is a relational database management system developed by Microsoft.

### [**SQL Server 2016 | Microsoft**](https://www.microsoft.com/en-us/sql-server/sql-server-2016)

### [**SQL Server—Data Platform | Microsoft**](https://www.microsoft.com/en-us/sql-server/)

1. **Web Developer (Vertex Solutions Inc., Fort Worth, TX)**

<https://www.dice.com/jobs/detail/76102/10310739/784570>

Bachelors of Science degree in Software Engineering, MIS, a related degree, or equivalent work experience

Minimum of 5 years ASP.Net with C# development experience, preferably in a financial services related industry

Experience with Visual Studio 2013+

Experience with .Net Framework 4.0+

Experience with JavaScript; jQuery a plus

Experience with Asp.Net Web Forms and MVC; Experience with Web API a plus

Familiarity with IIS 7.0, 7.5

Thorough understanding of source control including Team Foundation

Understanding of N-Tier programming methodologies

Competent with SQL Server 2008R2 development, and use of SQL Server Management Studio

Competent with database design practices, referential integrity; basic understanding of Normalization

Knowledge of data security and privacy practices

Strong problem solving, logical reasoning and translating complex concepts into business requirements and technical specifications.

Experience managing and developing customer/client relationships, with a strong internal customer service mentality.

Handle multiple, shifting priorities in a fast moving environment.

Excellent verbal and written communication skills, experience in writing technical documents.

Strong Analytical skills

Able to define architecture, infrastructure, general layout of systems, technologies and frameworks.

1. **Full Stack Web Developer (NSI AMERICA - Dallas, TX)**

<https://www.indeed.com/cmp/NSI-America/jobs/Full-Stack-Web-Developer-f74a14638474cab0?q=Web+Developer>

Qualifications:

BS in Computer Science or Engineering · 6-10+ years full stack development experience, Microsoft stack preferred (C#, MS SQL Server, etc.) · 6-10+ years JavaScript development experience, including one or more JS frameworks (e.g., AngularJS, JQuery, NodeJS, React, etc) · 3+ years AngularJS experience

Bootstrap v3+

Responsive development experience

Experienced writing automated unit tests and following Test Driven Design (TDD)

Ability to provide accurate estimates on project development efforts ·

Ability to work independently or with a small team

Experience writing technical design documents/analysis specifications

1+ years working as a developer in a Scrum development environment.

Required experience:

Bootstrap v3 and more: 3 years

Scrum development environment: 1 year

AngularJS: 3 years

Microsoft stack Development: 8 years

JavaScript development: 8 years

1. **Mid Level Front End Developer (Dreamers of Day - Dallas, TX)**

<https://www.indeed.com/cmp/Dreamers-of-Day/jobs/Mid-Level-Front-End-Developer-498c218a8cb025ae?q=Web+Developer>

Required Knowledge

2+ years of responsive front-end web development (HTML, CSS, JavaScript)

2+ years of mobile web development with a strong understanding of mobile browser capabilities

Experience with Wordpress (Drupal a plus)

Experience with CSS pre-processors (SASS/LESS)

Experience with source/version control (e.g. Git)

Familiarity with Webpack, grunt, gulp a plus

Experience with back-end integration and server-side templating

Some experience with client-side templating (Timber)

Some experience with client-side JavaScript MVC frameworks (e.g. React, AngularJS)

Knowledgeable in Photoshop, able to translate mockups into code

Experience with 3rd party API Integration

1. **Web Developer (W2) [Canopy One Solutions Inc, Southlake, TX]**

<https://www.dice.com/jobs/detail/76092/10439682/WDGCUSC>

Must have at least 9 years of exp.

PHP / LAMP

HTML

Java

Linux

JIRA

Atlassian

Confluence