

Focus Area

C#.NET

ASP.NET MVC/Web Forms/Win Forms
.NET Core/Entity Framework/Dapper etc..
Web API/REST/WCF/Web Services
Tools/Courses/Process

Client Side Technologies

Front-end Technologies

Data Base

NON-TECHNICAL PARAMETERS

Skillset Requirement
OOPS (Object, Class, Abstarction, Encapsulation, Polymorphism, Inheriteance, Overloading and Overriding)
.Net Framework and Components of .Net Framework
GAC and its Genertions
Generics, LINQ and Lambda
Reflection,Serialization
TPL , Asynchronous Programming & Threading
Events , Delegates
Page Life Cycle, Event Handling, Server Side vs Client Side

Themes, Skins, Master Pages, Directives, Validators, Regular Expressions
Server Controls and User Controls, State Management(Cookies, Sessions, ViewState)
HTTP Handler / HTTP Module, Security
Caching, Localization, Configuration and Deployment
MVC Architecture, Razor Engine
Controllers, Views, Models, Layout
Routing Engine, Action Filters, Bundling, Exception Handling
Application startup, middleware, Configurations
Authentication, Swagger, Logging, Exception handling
Routing, Attribute routing, TagHelpers, Filters, CORS, CSRF, Razor
Caching, Compression.
ORM, Unit of work Design pattern, Repository Design pattern & CQRS
EF components(DbContext, Change tracker, DbSet, Entities, Database)
Code First Approach, DB First Approach
Data Annotations
What is Dapper? Advantages of Dapper, Dapper annotations
Unit testing, MOQ, what is mock, what is stub
Restful Services - Basics (Http actions and codes, rest principles)
Web API controllers , Basic and Attribute routing, Versioning
Web API - Authentication, Authorization, Exception Handling.
Web API - model validation, dependency injection, Caching
WCF - Basics - Address/Binding/Contract and Hosting
WCF - diagnostics, exception handling
WCF - Service Fundamentals .Data Contracts, Serialization, Messages
WCF - Configuration (Code vs Declarative vs Configuration)
WCF - Security, Extensibility
Repositories: TFS, SVN, GIT and etc..
JIRA, AzureDevOps - Boards, VersionOne, Rally and etc..
CI/CD: Jenkins, Bamboo, GITLab, DevOps - Release & Pipeline and etc..
EngX BootCamp, Clean Code Self/Mentor Based, Clean Design, Practice Onboarding
SDLC - Methodologies - Agile (Scrum/Kanban), Waterfall and etc..
Code Review: Cruiseable, GIT Pull Request and etc..
Static code analysis, SonarQube, Rules, Resharper, code coverage tools

Java Script

Jquery

Javascript Framewors Introduction (Angular/React)

HTML & CSS

CSS 2 & 3

DB Fundamentals

SQL Server
No- SQL
Communication /Interpersonal Skills
Scalable
Start – up Mindset
Learning
Results Driven
Problem Solver

Remarks	Criteria
Please evaluate on the concepts around OOPS (Object, Class, Inheritance, Polymorphism, Abstraction, Encapsulation) using questions & coding exercises	Very Important
Please evaluate on the concepts around .Net Framework and Components of .Net Framework C# Features, CLR, Memory Management, Managed Code, Un-Managed Code, Type Safety, Visual Studio Features,	Very Important
Please evaluate on Assemblies, Private & Global Assemblies and on How to install in GAC.	Important
Collections and Generics LINQ-to-objects queries: Fluent Syntax and Query Operators. Lambda expressions and Func signatures. Query Expressions. Supporting Query Expressions. Deferred Evaluation. LINQ, Generics, and IQueryable<T>. Standard LINQ Operators: Filtering, Select, SelectMany, Ordering, Specific Items and Subranges. Set Operations. Joins. Local Queries. Interpreted Queries (IQueryable preview). Combining Interpreted and Local Queries.	Important
Serialization Concepts. Serialization mechanisms in the .NET Framework. Formatters. The Data Contract Serializer. The Binary Serializer. XML Serialization.	Important
Pros and Cons of Threads. The Task Parallel Library. Task Parallelism. Data Parallelism.	Low Important
	Low Important
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Fundamentals Step to Prepare First Example in JavaScript Variables Operators Control Statements Functions Arrays Object Oriented Programming in JavaScript Classes Hoisting DOM	Important
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	Important
Understanding HTML Syntax DOCTYPE Basic Tags in HTML Tags Forms Storage Geo Location Canvas SVG	Important
Introduction Types of Stylesheets Types of Selectors Div's & Span tags Font Text INTRODUCTION TO CSS-3.0 Nested Classes Responsive Design (Bootstrap)	Important
Introduction to Basic Database Concepts E-R Modeling and Diagram Normalization	Important

Introduction to SQL Server Introduction to SQL DDL and DML Statements Aggregate Functions Joins and Set Operations Implementation of Data integrity Working with Constraints Implementing Views Data Control language (DCL) Working with Indexes Working with Stored Procedures and Functions Implementing Triggers Working with Cursors Backup and Restore	Important
No SQL Introduction	Important
* Expresses ideas and thoughts clearly☑* Work co	Important
* The Potential of the employee, aspiration, plan	Important
* I can do it attitude☑* Fail Early and Learn☑* Oper	Important
* Open to Feedback☑ Collaboration	Important
* Works to overcome challenges to meet goals☑*	Important
* Clarifies Expectations☑* Curious to Know WHY☑*	Important