



# Senior Full Stack Engineer

IT TRAINING HANDS-ON | BY SCARSTACK SOLUTION IT TRAINING

[HTTPS://SCARSTACKSOLUTION.COM](https://scarstacksolution.com)

# The Senior Full Stack Engineer

Training Cost: \$1,500 | Duration: 12 Weeks

As a highly proficient Senior Full Stack Engineer, you will acquire expertise to create scalable, robust, and highly resilient cloud and on-premise based Web Apps, APIs, and Relational Databases utilizing C#, .NET Core, ASP.NET, HTML5, CSS, Bootstrap, JavaScript, Azure Cloud, Azure Devops, Docker, Kubernetes and GitHub.

- **CERTIFICATION YOU'LL EARN:**  
Microsoft Certified Azure Developer Associate

## Top 10 Paying companies for this Role:

1. Netflix: \$262,313/yr.
2. Roblox: \$248,745/yr.
3. Dailymotion: \$236,600/yr.
4. Calendly: \$234,123/yr.
5. Salesforce: \$228,209/yr.
6. Atlassian: \$213,637/yr.
7. Adobe: \$206,461/yr.
8. Fidelity Investments: \$191,254/yr.
9. Komodo Health: \$186,936/yr.
10. ServiceNow: \$172,156/yr.

# Why become a Senior Full Stack Engineer?

Senior Full Stack Engineers offer accelerated growth opportunities, delivering speed and cost-efficiency to businesses. Their ability to adapt and innovate is exemplified by scenarios like Netflix, where Senior Full Stack Engineers played a vital role in delivering a personalized streaming experience, resulting in a 200% growth in subscriptions and Amazon reporting 30% increase in project efficiency and 20% reduction in development costs upon hiring more Full Stack Engineers.



# How much do Senior Full Stack Engineers earn?

Senior Full Stack Engineers earn an average of between \$126,000 - \$206,000 per annum.

[Glassdoor salary confirmation](#)

# What you'll gain from this Training:

1. Practical hands-on approach through each class of the Training.
2. Materials & Training to earn the Cloud Architect certification.
3. Hands-on lab Assessments to assess your skills for each class.
4. Weekly homework assignments to keep you continuously engaged.
5. Free resume building offered after training completion.
6. One-on-one mentorship to address any specific challenges.
7. Free mock interview preparations to get candidates prepared for interviews.



# Tools and Resources Utilized

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Microsoft Azure Portal

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Microsoft Visual Studio

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Visual Studio Code

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Azure Data Studio

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GitHub Repos

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Azure DevOps

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Postman API

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Azure CloudShell

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Git Version Control

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Docker Hub & Desktop



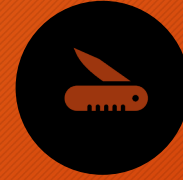
C# PROGRAMING  
FUNDAMENTALS



CONTAINERS &  
AZURE COMPUTE



ADVANCED C#  
PROGRAMMING



CROSS-CUTTING  
CONCERNS



PRINCIPLES AND  
PATTERNS



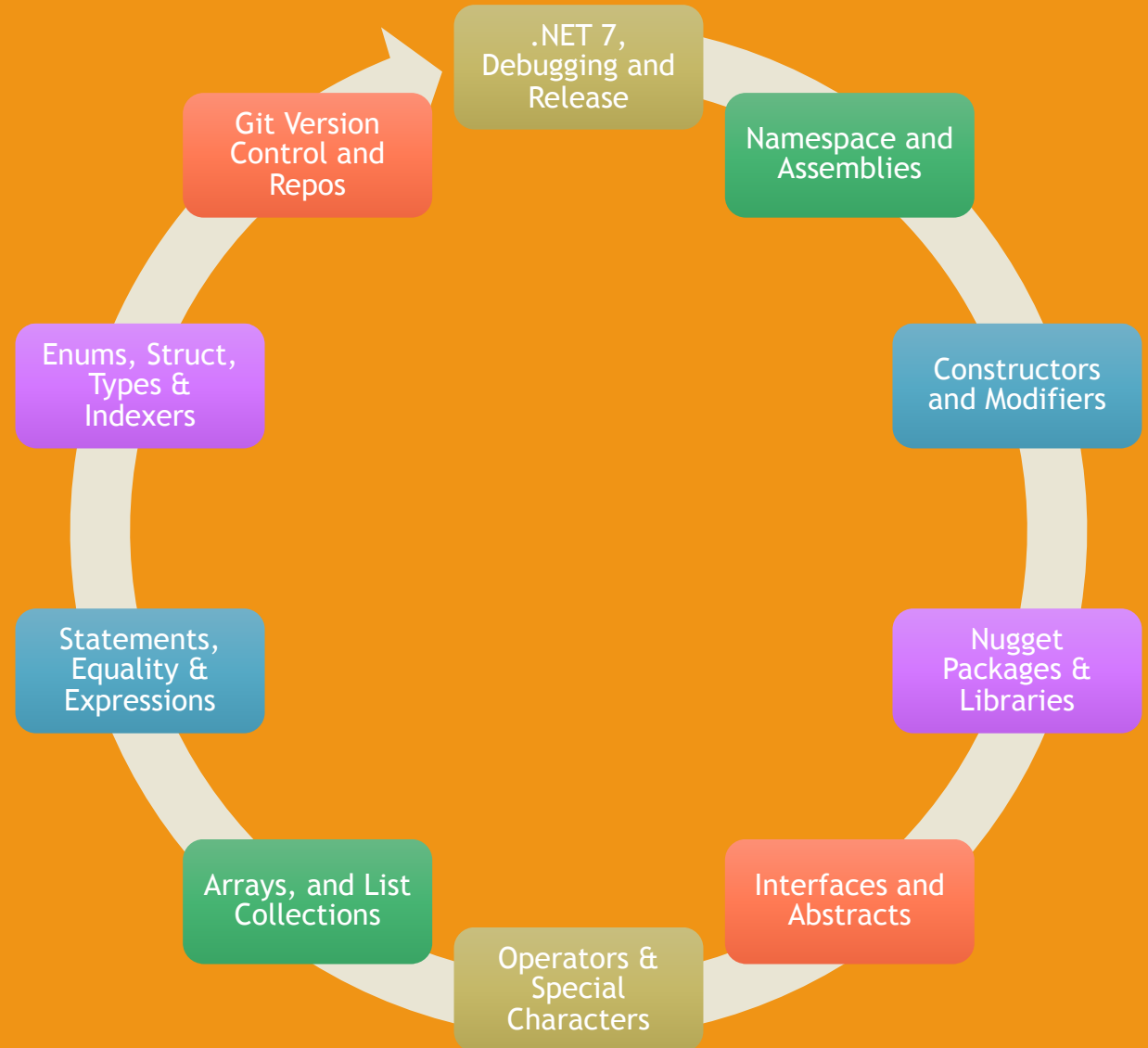
FRONT-END WEB  
DEVELOPMENT



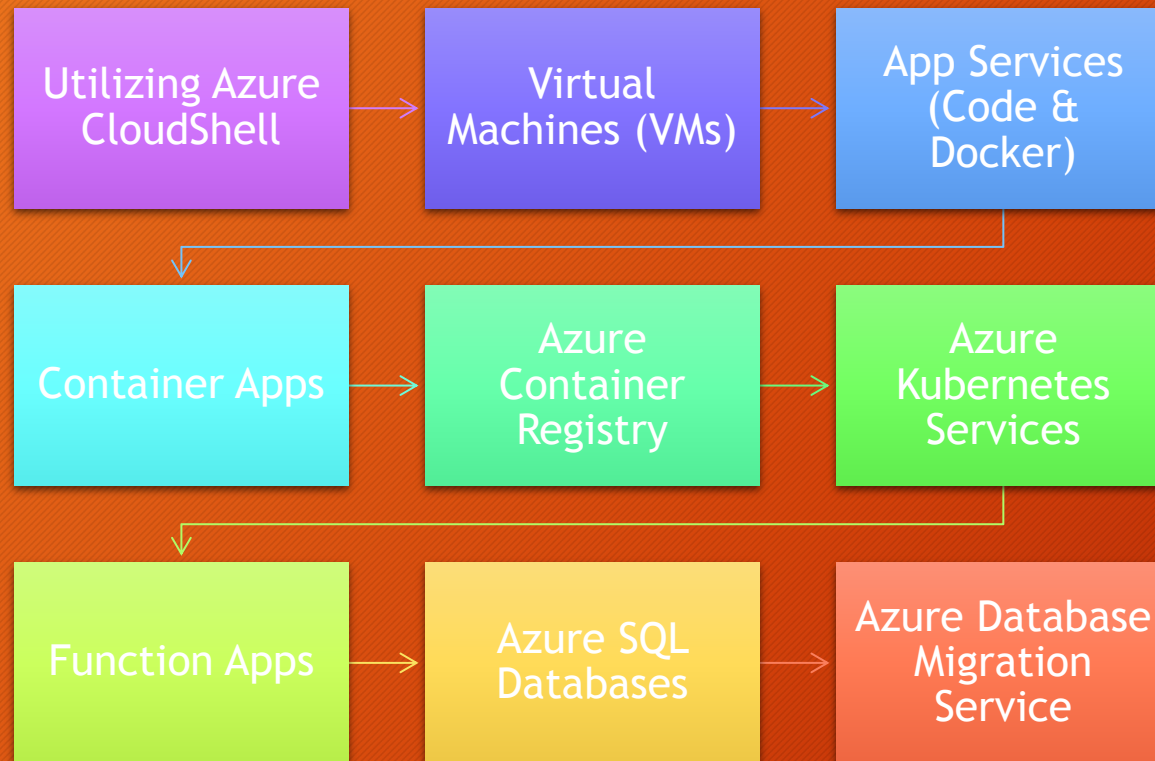
RESTFUL API &  
RELATIONAL  
DATABASES

# Training Module

# C# Programing Fundamentals



# Containers and Azure Compute



# Advanced C# Programing

C# Generics and Record Types

Introduction to LINQ Querying

IEnumerable Vs. IQueryable

Asynchronous Programming

Method Overload and Override

Switch, Return & Continue

Enums and Extension Methods

Regex String Manipulation

Anonymous and Reference Types

Garbage Collection and IDisposable

# Cross Cutting Concerns

Dependency Injection

Exception Handling

Logging

Data Access

Unit Testing

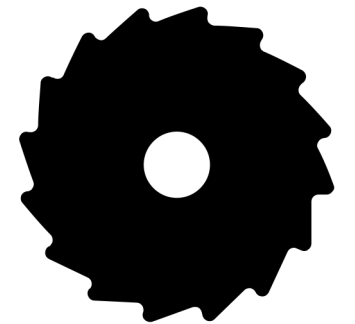
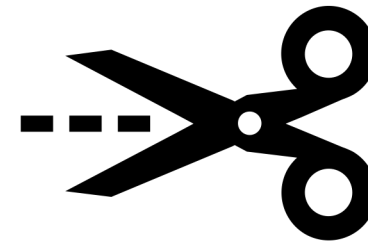
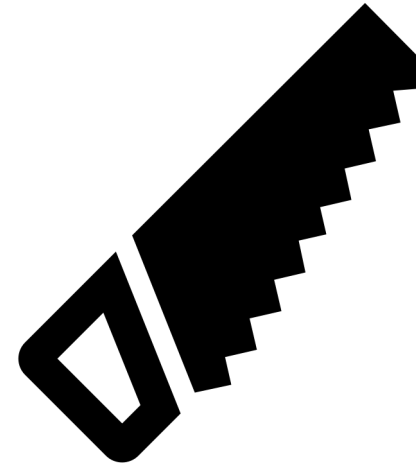
Validation

Injection & Cross-Side Scripting

Cross-Site Request Forgery (XSRF/CSRF)

Client & Server-Side Caching

Authentication and Authorization





# Patterns and Principles

- ✓ Model View Controller (MVC)
- ✓ Model View View-Model (MVVM)
- ✓ Domain Driven Design (DDD)
- ✓ SOLID Design Principles
- ✓ Test Driven Development (TDD)
- ✓ Microservices, Monolith and SOA
- ✓ Repository & Unit of Work Patterns
- ✓ Command Query Responsibility Segregation (CQRS)

# Front-end Web Development

Responsive Web Design

Mobile First Design

Bootstrap

HTML5

CSS

SCSS and Sass

JavaScript

jQuery

Views, Partial Views & Layouts

Controllers, Actions & Routing



# RESTful Web APIs & Relational Databases

Introduction To  
RESTful Web APIs

Token Based  
Authentication

HTTP Verbs,  
Routing &  
Response Types

Entity Framework  
Core

HTTP Client &  
IHttpClientFactory

Database Design  
Concepts

T-SQL Queries &  
SQL Servers

Handling Errors in  
T-SQL

Writing Stored  
Procedures

Functions and  
Triggers