Tareq Aziz

Executive (Software Engineering) at PETRONAS

WP. Kuala Lumpur, Federal Territory of Kuala Lumpur

⚗️ PETRONAS Digital Sdn Bhd

Strengthen your profile with an AI writing assistant

🟨 **Reactivate Premium: 50% Off**

Profile viewers   32

View all analytics

Abhinn Mishra • Following

Member Of Technical Staff at Omnissa (Vmware EUC) | Ex Siemens Healthineers | ...

4mo • 🌐

Master **ASP.NET** Core in 30 Days

Day 1: Introduction to **ASP.NET** Core

• What is **ASP.NET** Core?
• Key Features of **ASP.NET** Core
• Setting Up **ASP.NET** Core Development Environment
• Creating Your First **ASP.NET** Core Application

Day 2: **ASP.NET** Core Basics - Part 1

• Understanding **ASP.NET** Core Project Structure
• Middleware in **ASP.NET** Core
• Configuring the Startup Class

Day 3: **ASP.NET** Core Basics - Part 2

• Dependency Injection in **ASP.NET** Core
• Built-In and Custom Services
• Scoped, Transient, and Singleton Lifetimes

Day 4: Working with Controllers and Actions

• Introduction to Controllers in **ASP.NET** Core
• Action Methods and Action Results
• Using ApiController Attribute

Day 5: Routing in **ASP.NET** Core

• Introduction to Routing
• Attribute Routing vs. Conventional Routing
• Defining Route Parameters

Day 6: Creating REST APIs with **ASP.NET** Core - Part 1

• Introduction to REST APIs
• Creating Controllers with HTTP Verbs (GET, POST, PUT, DELETE)
• Returning JSON Responses

Day 7: Creating REST APIs with **ASP.NET** Core - Part 2

• Handling Query Strings and Route Parameters
• Working with IActionResult and ActionResult<T>
• Exception Handling in REST APIs

Day 8: **ASP.NET** Core and Databases - Part 1

• Introduction to Entity Framework Core
• Configuring a Database Context
• CRUD Operations with EF Core

Day 9: ASP.NET Core and Databases - Part 2

• Writing LINQ Queries
• Pagination and Sorting with EF Core
• Working with Migrations

Day 10: ASP.NET Core and Databases - Part 3

• Managing Relationships in EF Core
• Lazy vs. Eager Loading
• Transactions and Unit of Work

Day 11: Securing ASP.NET Core Applications - Part 1

• Introduction to ASP.NET Core Identity
• Securing REST APIs with Basic Authentication
• Configuring ASP.NET Core Identity

Day 12: Securing ASP.NET Core Applications - Part 2

• Role-Based Authorization
• Policy-Based Authorization
• Custom User Authentication

Day 13: JWT Authentication in ASP.NET Core

• Introduction to JSON Web Tokens (JWT)
• Implementing JWT Authentication in ASP.NET Core
• Refresh Tokens and Token Expiry

Day 14: Testing in ASP.NET Core - Part 1

• Introduction to Unit Testing in ASP.NET Core
• Using xUnit for Unit Testing
• Mocking Dependencies with Moq

Day 15: Testing in ASP.NET Core - Part 2

• Integration Testing in ASP.NET Core
• Testing Controllers and Services
• Testing Middleware Logic

Day 16: Testing in ASP.NET Core - Part 3

• Mocking HTTP Context with MockHttpContextAccessor
• Using TestServer for Integration Testing
• Testing Authentication and Authorization

Day 17: ASP.NET Core MVC

• Understanding the Model-View-Controller Pattern
• Working with Views and Razor Syntax
• Handling Forms and Model Binding

Day 18: ASP.NET Core and Razor Pages

• Introduction to Razor Pages
• Creating and Handling Razor Pages
• Using Tag Helpers for UI Development

continue in comment......

#ASPNetCore #DotNet

Follow Abhinn Mishra

Reactions

👍 Like

💬 Comment

Add a comment...   ☺ 🖼

Most relevant ▾

Abhinn Mishra Author   4mo •••
Member Of Technical Staff at Omnissa (Vmware EUC) | Ex Siemens Healthineers...

Day 19-20: ASP.NET Core and Microservices

• Introduction to Microservices Architecture
• Building Microservices with ASP.NET Core
• Implementing API Gateways

Day 21-22: ASP.NET Core with Docker

• Containerizing ASP.NET Core Applications
• Writing Dockerfiles for ASP.NET Core
• Running ASP.NET Core Apps in Docker

Day 23: ASP.NET Core with SignalR

• Introduction to SignalR
• Implementing Real-Time Communication
• Building a Chat Application

Day 24: ASP.NET Core with Message Queues

• Integrating RabbitMQ with ASP.NET Core
• Working with Azure Service Bus
• Asynchronous Messaging Patterns

Day 25: Monitoring ASP.NET Core Applications

• Introduction to ASP.NET Core Logging
• Monitoring with Application Insights
• Using Health Checks for Application Status

Day 26: ASP.NET Core with GraphQL

• Introduction to GraphQL
• Setting Up GraphQL in ASP.NET Core
• Building GraphQL Queries and Mutations

Day 27: Logging in ASP.NET Core

• Introduction to Logging Providers
• Configuring Log Levels
• Structured Logging with Serilog

Day 28: Performance Optimization in ASP.NET Core

• Optimizing Middleware Pipeline
• Using Response Compression
• Profiling and Diagnosing Performance Issues

Like · 🧡❤️👏 14 | Reply · 1 reply

Abhinn Mishra Author   4mo •••
Member Of Technical Staff at Omnissa (Vmware EUC) | Ex Siemens Health...

Day 29: Deploying ASP.NET Core Applications

• Deploying to Azure App Service
• Configuring CI/CD Pipelines with GitHub Actions
• Deploying ASP.NET Core Apps with Docker

Day 30: Best Practices and Project Development

• Following Best Practices in ASP.NET Core
• Designing Clean and Maintainable Applications
• Starting Your Own ASP.NET Core Project

This plan ensures a solid grasp of ASP.NET Core, covering fundamental
concepts, advanced features, and real-world application.

Like · 🧡❤️👏 7 | Reply

Sugandha Tripathi • 3rd+ · 4mo ···
Senior Dotnet Developer at National Informatics Centre, Govt of India

Interesting

Like · 👍 1 | Reply · 1 reply

Abhinn Mishra Author · 4mo ···
Member Of Technical Staff at Omnissa (Vmware EUC) | Ex Siemens Health...

Hope it helps. Thanks for reading.

Like | Reply

Javier Martínez co • 2nd · 4mo ···
Systems Engineer | .Net Enthusiast | Sr .Net Developer | Services & Microservice...

Hi bro, what's your resources for completely this master?

Like · 👍 1 | Reply · 1 reply

Abhinn Mishra Author · 4mo ···
Member Of Technical Staff at Omnissa (Vmware EUC) | Ex Siemens Health...

Will write a post separately.

Like · 👍 2 | Reply

Gaurav Giradkar • 3rd+ · 4mo ···
FS Dot Net Developer || C# Developer || .Net Core || .NET Core MVC 5 || .Net Co...

Helpful

Like · 👍 1 | Reply · 1 reply

Abhinn Mishra Author · 4mo ···
Member Of Technical Staff at Omnissa (Vmware EUC) | Ex Siemens Health...

Thanks for reading.

Like | Reply

Sheyin Jacob • 3rd+ · 4mo ···
Full Stack .NET Developer

Resources?

Like · 👍 1 | Reply · 1 reply

Abhinn Mishra Author · 4mo ···
Member Of Technical Staff at Omnissa (Vmware EUC) | Ex Siemens Health...

Will write a seperate post which will have resources. Keep following.

Like · 👍 1 | Reply

Rachna Sharma • 3rd+ · 4mo ···
Full Stack Developer | C# | MVC | Asp.Net | Asp.net Core | Jquery | JavaScript | ...

Continue

Like · 👍 1 | Reply · 1 reply

Abhinn Mishra Author · 4mo ···
Member Of Technical Staff at Omnissa (Vmware EUC) | Ex Siemens Health...

Exactly.

Like | Reply

Mohideen Ibrahim Faris • 2nd · 4mo ···
Backend Developer @ FH | Angular | .NET 5, 6, 8 | .NET Core Web API | Microser...

Very helpful

Like · 👍 1 | Reply · 2 replies

Abhinn Mishra Author · 4mo ···
Member Of Technical Staff at Omnissa (Vmware EUC) | Ex Siemens Health...

Thanks.

Like | Reply

rumi tasneem • 3rd+ · 4mo ···
Software Application Developer

Mohideen Ibrahim Faris can you help me solving some issue in asp.net
 project

Like | Reply

Collapse replies

Samuel Maia Salvador de Assis • 3rd+
Software Engineer | .NET Developer | Fullstack | ReactJs | VueJs

4mo •••

Spend the first 5 days trying to put one of these things actually working well, then comeback and feel sad because we couldn't follow the 30days roadmap miracle...
The completude of the roadmap you passed is very good and straightforward, but we're gonna still saying these "30days stuff"? In my humble opinion, fe ...more

Like · 😊😮💛 5 | **Reply** · 2 replies

Abhinn Mishra Author
Member Of Technical Staff at Omnissa (Vmware EUC) | Ex Siemens Health...

4mo •••

Thank you for sharing your perspective! I completely understand your concern. The idea behind the '30 Days' roadmap isn't to pressure anyone into becoming an expert overnight—it's to provide a structured guide to help developers focus on one topic at a time and gradually build a solid foundation.   ...more

Like · ❤️ 2 | **Reply**

Samuel Maia Salvador de Assis • 3rd+
Software Engineer | .NET Developer | Fullstack | ReactJs | VueJs

4mo •••

I understand! And for this matter, the content is really complete!

Like · 👍 1 | **Reply**

Collapse replies

Asif Iftekher Fahim • 2nd
Associate Technical Consultant @ Fusion InfoTech Limited | SAP | ABAP |ASP .N...

4mo •••

Very informative

Like · 👍 1 | **Reply** · 1 reply

Abhinn Mishra Author
Member Of Technical Staff at Omnissa (Vmware EUC) | Ex Siemens Health...

4mo •••

Thanks for reading.

Like · 👍 1 | **Reply**

Sonali Chikkali • 2nd
Software Engineer at Plex Systems, Inc

4mo •••

Very helpful

Like · 👍 1 | **Reply** · 1 reply

Abhinn Mishra Author
Member Of Technical Staff at Omnissa (Vmware EUC) | Ex Siemens Health...

4mo •••

Thanks for reading.

Like | **Reply**

⤢ Load more comments