**Dot NET Core mastery**

**1: Advanced Backend Development**

* **.NET Core Web API Advanced**
* Clean Architecture
* CQRS (Command Query Responsibility Segregation)
* API Versioning, Rate Limiting, Middleware Customization
* Background Jobs (Hangfire, Quartz.NET)
* Caching (Redis, Memory Cache)
* **Entity Framework Core (Advanced)**
* Query Optimization, Performance Tuning
* Stored Procedures, Transactions, Unit of Work
* NoSQL Databases (MongoDB, Redis – basics)
* **Security & Authentication**
* OAuth, JWT, OpenID Connect
* Identity Server, Role-Based & Policy-Based Authorization
* API Security Best Practices
* Microservices
* Microservices Architecture Patterns
* Inter-Service Communication
* API Gateway आणि Load Balancing
* Data Management in Microservices
* Security in Microservices

**2: Microservices & Distributed Systems**

* **Microservices Architecture**
* Service Communication (gRPC, RabbitMQ, MassTransit)
* API Gateway (Ocelot, YARP)
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* **Containerization & Deployment**
* Docker (Images, Containers, Networking)
* Kubernetes (Pods, Services, Deployments)
* CI/CD Pipelines (GitHub Actions, Jenkins)
* **Cloud Integration (Azure / AWS)**
* Azure Functions, AWS Lambda
* Serverless APIs, Storage, Authentication
* Distributed Systems Basics
* Monitoring आणि Observability
* DevOps आणि Deployment Strategies
* Case Studies आणि Best Practices

**3: Full Stack Development**

* **Frontend Basics**
* React.js / Next.js
* Tailwind CSS, Bootstrap
* API Integration, Authentication

**END**