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| A | Core Skills |  | |
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| 1 | **Programming, MCQ score, domain exercise all combined score** GOF design Pattern application, standard solution with details |  | |
| 2 | **Language fundamentals, Collections and Data Structure, basic Internals** Adv collection internals , Solid Principles |  | |
| 3 | **Generics,Lambda expr, Functional Interface,streams , predicate** Completable future, Parallel and Serial Stream, Lazy streams |  | |
| 4 | **Any one type GOF Design Patterns creational/structural/behavioural**) Awareness to more than one design pattern categories listed above |  | |
| 5 | **Rest principles,OAS consumer, versioning, pagination, Mocking** Contract 1st OAS, Best practices, Code generation |  | |
| 6 | **Cloud Deployment, basic cloud set up, Serverless and storage services** Provison with Terrform/ARM , Application architecture over cloud and adv svc |  | |
| This is Mandatory Section!Is the candidate good with coding skills to execute Simple to Medium Complexity code? | | |  |
| B | Advance Design & Development skills |  | |
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| 1 | **Database RDBMS/No SQL (SQL, Joins, Indexing) ORM** Entity Modeling, Aggregate functions, CDC |  | |
| 2 | **Multithreading: Deadloack,Fork & Join,Sync,TLP** Concurrent Collection, Lock Internals , Thread local |  | |
| 3 | **Messaging (pub-sub/queue, durability, tracing) , Schema, AMQP/IIOT/JMS, Kafka** Broker internals ,scaling, event based programming |  | |
| 4 | **Ent. Librabry, Unity Containers or caching** Distributed Caching, distributed transactions |  | |
| 5 | **Profiler, finalize, garbage collection basics** GC Dump Analysis,GC algos |  | |
| Is the candidate ready for Advance .NET implementations to execute with Simple to Medium Complexity? | | |  |
| C | Tooling & Framework |  | |
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| 1 | **Advance Topics: Grpc,Service mesh, Graph QL or Data Processing technologies (SSIS,spark, flink)** |  | |
| 2 | **Web (Sockets/Html/JS,UI etc.)(Full Stack?)** Adv React, Angular, design, SPA |  | |
| 3 | **TDD,Unit Testing, Functional Testing**, BDD,Tooling overall |  | |
| 4 | **Devops(CI, MSBuild, Jenkins, Quality plugins,Docker, kubernetes** Pipeline,Chef/Ansible, Branching Merging, Multi Geography |  | |
| 5 | **Log export and Monitoring(exporting and usage of log tools**. Configuration in any of  ELK, Grafana,COTS tools |  | |
| D | APIs, Cloud & Microservices |  | |
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| 1 | **MS Patterns for Orchestration Patterns** Choreography Patterns and Command Pattern |  | |
| 2 | **Bounded Context, Domain model(Fat Domain , Aneamic Domain**) , Transaction (Cancel, Rollback, compensating), Aggregates |  | |
| 3 | **CQRS Patterns (Database Model, API Impl and deployment** Event sourcing in Microservices, Choice of DB, Same DB strategy |  | |
| 4 | **API Security Basic Auth, Client Credential, JWT usage** Authcode Flow, Open IDC, IAM integration |  | |
| 5 | **API Gateway policy Implemenmtation security , traffic, Devportal** API Gateway Architecture (Commercial API Gateways) & Config |  | |
| Is the candidate ready for microservices  and Core .NET to execute with Simple to Medium Complexity?? | | |  |
| E | Solution & Architecture |  | |
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| 1 | **Logical views, sequence views , Application Layering , SCD** BCD, SCD,Technology and solution detailing, end to end view |  | |
| 2 | **NFR (Data at REST / Motion / In use)** Multi tenent , multi geography/Brand, Scale |  | |
| 3 | **Integration Patterns and Integrtation exp with any enterprise systems** Enterprise Service Bus e.g. Mule, Camel, public Cloud based |  | |
| 4 | **Production deployment checklist,operational steps , Canary release** Automation testing (SIT, Security, prod) |  | |
| 5 | **POC,  certifications, IC, execute Application end to end** Req gatethering, Estimate (Track level), Lead & Mentor |  | |