

NestJS - Interview Sheet

Modular architecture, DI, guards, pipes, and interceptors

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Top 10 Interview Questions

Q1. Explain NestJS's modular architecture. What are the roles of Modules, Controllers, and Providers?

Answer:

Q2. How does NestJS's dependency injection container work? How do you scope a provider as request-scoped?

Answer:

Q3. What are NestJS decorators (@Get, @Post, @Body, @Param, @Query) and how do they bind HTTP metadata?

Answer:

Q4. How do NestJS pipes work? How do you use ValidationPipe with class-validator DTOs?

Answer:

Q5. What are NestJS Guards and how do you implement role-based access control (RBAC)?

Answer:

Q6. Explain NestJS exception filters. How do you create a custom filter for unified error responses?

Answer:

Q7. What are NestJS interceptors and how do you use them for response transformation and logging?

Answer:

Q8. How do you integrate TypeORM with NestJS for database operations and dependency injection?

Answer:

Q9. How do you implement microservice communication in NestJS using TCP or NATS message patterns?

Answer:

Q10. How do you write unit tests and e2e tests in NestJS using Jest and the NestJS testing module?

Answer: