Perfect 🐸 Since you already have **5+ years in Laravel/PHP**, I'll structure these **Node.js notes** as if you're an **experienced developer transitioning to Node**, with a focus on **core fundamentals, advanced concepts, and interview-focused topics**.

Let's start with the **Index (Table of Contents)**.

◨ Node.js Notes for Experienced Developers

Index

7. **Database Integration**

- Connecting Node with MySQL & PostgreSQL
- MongoDB with Mongoose
- ORM/ODM vs Query Builders

8. **Authentication & Security**

- JWT authentication
- OAuth & session-based auth
- Preventing common vulnerabilities (XSS, CSRF, SQL injection)

9. **Node.js Design Patterns**

- Singleton
- Factory Pattern
- Middleware Pattern
- Observer Pattern (Events)

10. **Scaling & Performance**

- Clustering & Worker Threads
- Load balancing strategies
- Caching (Redis)

11. **Testing in Node.js**

- Unit testing with Jest/Mocha
- Supertest for API testing
- Best practices in testing

12. **Error Handling & Debugging**

- try/catch vs async error handling
- Logging with Winston/Morgan
- Debugging with Node Inspector

13. **Building RESTful APIs**

- REST principles in Node
- CRUD with Express
- API versioning & documentation (Swagger/Postman)

14. **Event-Driven Programming**

- EventEmitter in Node
- Custom Events
- Real-time apps with Socket.io

15. **Microservices & Message Queues**

- Microservices with Node.js

- RabbitMQ, Kafka basics
- Pub/Sub with Redis

16. **Deployment & DevOps**

- PM2 for process management
- Dockerizing Node apps
- CI/CD pipelines for Node projects

17. **GraphQL with Node.js**

- Intro to GraphQL
- Apollo Server setup
- Queries, Mutations & Subscriptions

18. **Interview-Focused Questions**

- Difference between process & thread in Node
- How does the event loop work?
- What are streams in Node?
- How do you scale Node.js apps?
- Common performance bottlenecks

☞ Do you want me to now **start expanding each topic one by one** (starting from **1. Introduction to Node.js**), like proper **detailed notes**, or do you prefer **short bullet-style notes** for interview revision?