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| **Day** | **Focus Area** | **Topics/Activities** | **Practice/Project** |
| **1-2** | SQL Mastery | - Database design principles  - Advanced SQL queries (JOINs, subqueries, CTEs, window functions)  - Indexing and optimization | - Solve SQL problems on LeetCode/HackerRank  - Work on sample database projects or datasets |
| **3-4** | React.js Essentials | - React component lifecycle and hooks (useState, useEffect)  - State management (Context API, Redux)  - Routing with React Router  - Forms and validation | - Build/update a simple project (e.g., Todo app, weather app)  - Integrate an API |
| **5-6** | Node.js Fundamentals | - Core Node.js concepts (Event loop, async programming)  - Express.js for RESTful APIs  - Middleware, authentication, and security  - Database integration | - Create a CRUD API using Express.js  - Implement authentication with JWT |
| **7** | Review and Project Integration | - Review complex topics in SQL, React.js, Node.js  - Integrate front-end and back-end | - Start building a full-stack application (e.g., blog platform) |
| **8-9** | Java/.NET Focus | - OOP concepts and design patterns  - Spring Boot (Java) or ASP.NET Core (C#)  - RESTful API development  - Dependency injection and unit testing | - Build a web service using Spring Boot or ASP.NET Core  - Write unit tests |
| **10-11** | Full-Stack Application Enhancement | - Enhance full-stack project with features (user roles, data validation)  - Error handling and logging  - Deploy to a cloud platform (AWS, Heroku) | - Implement new features and deploy the application |
| **12** | System Design and Code Review | - Basics of system design (scalability, load balancing)  - Database scaling and optimization strategies | - Participate in mock system design interviews  - Conduct a code review of your projects |
| **13** | Interview Preparation | - Practice coding problems (data structures and algorithms)  - Prepare for behavioral and technical interviews | - Mock interviews on Pramp, Interviewing.io |
| **Ongoing** | Networking | - Reach out to professionals on LinkedIn  - Engage in developer communities (GitHub, Stack Overflow) |  |