

# Java Study Timetable

## Your Schedule Analysis

- **Work:** 10 AM - 6 PM (8 hours)
- **Gym:** 1 hour
- **Personal Time** (family/GF): 2 hours
- **Study willingness:** Until 1 AM
- **Free Days:** Saturday & Sunday

## Weekday Schedule (Monday - Friday)

### Option A: Morning Study + Night Study (Recommended)

Time	Activity	Duration
8:00 AM - 9:30 AM	<b>Java Study</b>	1.5 hours
9:30 AM - 10:00 AM	Get ready, commute to work	30 min
10:00 AM - 6:00 PM	Work	8 hours
6:00 PM - 7:00 PM	Commute, dinner	1 hour
7:00 PM - 8:00 PM	<b>Gym</b>	1 hour
8:00 PM - 10:00 PM	<b>Personal Time</b> (family/GF)	2 hours
10:00 PM - 12:00 AM	<b>Java Study</b>	2 hours
12:00 AM - 1:00 AM	<b>DSA Practice</b>	1 hour
1:00 AM onwards	Sleep	-

### Option B: All Evening Study

Time	Activity	Duration
9:00 AM - 10:00 AM	Get ready, commute	1 hour
10:00 AM - 6:00 PM	Work	8 hours
6:00 PM - 7:00 PM	Commute, dinner	1 hour
7:00 PM - 8:00 PM	<b>Gym</b>	1 hour
8:00 PM - 10:00 PM	<b>Personal Time</b> (family/GF)	2 hours
10:00 PM - 12:30 AM	<b>Java/Spring Boot Study</b>	2.5 hours
12:30 AM - 1:00 AM	<b>DSA Practice</b>	30 min

# Weekend Schedule (Saturday & Sunday)

## Saturday - Deep Study Day

Time	Activity	Duration	Focus
9:00 AM - 11:00 AM	<b>Java/DSA</b>	2 hours	Core concepts, problem solving
11:00 AM - 11:15 AM	Break	15 min	-
11:15 AM - 1:15 PM	<b>MERN Stack Practice</b>	2 hours	React projects, Node.js APIs
1:15 PM - 2:15 PM	Lunch	1 hour	-
2:15 PM - 4:15 PM	<b>Full-Stack Project</b>	2 hours	Build complete MERN applications
4:15 PM onwards	Personal time, gym, family	-	-

## Sunday - Practice & Review Day

Time	Activity	Duration	Focus
10:00 AM - 12:00 PM	<b>DSA Practice</b>	2 hours	LeetCode, HackerRank problems
12:00 PM - 12:15 PM	Break	15 min	-
12:15 PM - 2:15 PM	<b>MERN Advanced Topics</b>	2 hours	Redux, authentication, deployment
2:15 PM - 3:15 PM	Lunch	1 hour	-
3:15 PM - 5:15 PM	<b>Portfolio Projects</b>	2 hours	Polish existing projects, new features
5:15 PM onwards	Personal time, gym, family	-	-

## Dual-Track Study Plan (Java + MERN)

### Phase 1: Java Fundamentals + MERN Practice (Weeks 1-3)

**Weekdays (4.5 hrs/day):** Intensive Java basics, OOP, collections **Weekends (6 hrs):** MERN stack projects, React advanced patterns, Node.js optimization

### Phase 2: DSA Focus + Full-Stack Projects (Weeks 4-6)

**Weekdays (4.5 hrs/day):** Core DSA concepts, Java problem solving **Weekends (6 hrs):** Complete MERN applications, database optimization, deployment

### Phase 3: Java Advanced + MERN Mastery (Weeks 7-8)

**Weekdays (4.5 hrs/day):** Java advanced topics, multithreading, design patterns **Weekends (6 hrs):** Advanced MERN (Next.js, TypeScript, microservices)

## Weekly Time Allocation

Subject	Weekday Time	Weekend Time	Total/Week
Java Fundamentals	15 hours	-	15 hours

Subject	Weekday Time	Weekend Time	Total/Week
DSA	7.5 hours	2 hours	9.5 hours
MERN Stack	-	10 hours	10 hours
<b>Total</b>	<b>22.5 hours</b>	<b>12 hours</b>	<b>34.5 hours/week</b>

## Tips for Success



### Morning Study Advantages (Recommended)

- Fresh mind, better retention
- No interruptions
- Consistent routine
- Energy levels are highest

## Study Strategies

1. **Pomodoro Technique:** 25 min study + 5 min break
2. **Active Learning:** Code while learning, don't just read
3. **Consistency > Intensity:** Daily 1 hour > weekend marathon
4. **Track Progress:** Maintain a learning journal

## Weekend Deep Work

- **Saturday:** Learn new concepts
- **Sunday:** Practice and build projects
- Take regular breaks every 2 hours
- Keep hydrated and well-fed

## Flexibility Options

- If you miss morning study, do 30 min during lunch + 30 min evening
- Adjust weekend timings based on personal commitments
- Use commute time for revision (if using public transport)

## Resource Recommendations

### Java Fundamentals

- Oracle Java Tutorials
- "Head First Java" book
- Codecademy Java course

- Java documentation deep-dive

## DSA

- LeetCode (daily 3-4 problems)
- "Cracking the Coding Interview"
- GeeksforGeeks
- NeetCode roadmap

## MERN Stack Advanced

- React official docs (new features)
- Next.js documentation
- Node.js best practices
- MongoDB optimization guides
- TypeScript with React/Node
- Deployment: Vercel, Netlify, AWS

## Dual Career Path Benefits

### Full-Stack Developer (MERN Focus)

- **Frontend:** React, Next.js, TypeScript
- **Backend:** Node.js, Express, MongoDB
- **Plus Java:** Backend versatility, enterprise opportunities

### Backend Developer (Java Focus)

- **Java:** Core language, Spring ecosystem
- **DSA:** Strong problem-solving skills
- **Plus MERN:** Modern web development understanding

### DevOps/Full-Stack

- **Java:** Enterprise backend systems
- **MERN:** Modern web applications
- **DSA:** System design and optimization

## Success Metrics

- **Daily:** Complete planned study hours
- **Weekly:** Finish assigned topics

- **Monthly:** Build one complete project
- **90 Days:** Job-ready portfolio with 3-4 projects