

**\*Please note:** The outline may slightly change due to important factors such as student requests, feedback, video sequence or scheduling and technical considerations. However, we will keep you updated on any adjustments to ensure a smooth learning experience.

## **Main Course**

### **Mission -1: Be a Critical Thinker**

- Mindset Over Syntax
- Data Structures That Matters
- Algorithms in Action

### **Mission 0: Welcome to Next Level Web Development**

- Module 0: Welcome Video

### **Mission 0.5: Orientation**

- Module 0.5: Orientation & Onboarding

### **Mission 01: Be a Typescript Technocrat**

- Module 1: Explore Basic Types of Typescript
- Module 2: Explore Advance Types of Typescript
- Module 3: Object Oriented Typescript
- Module 4: Assignment- 1

### **Mission 02: Be a Node, Express & SQL SuperStar**

- Module 5: Basic Fundamentals of Node.js
- Module 6: Explore Node.js Core Modules
- Module 7: Explore Express.js- A Node.js Framework
- Module 8: Intro to SQL for Backend
- Module 9: Advance CRUD using Typescript, Express & PostgreSQL
- Module 10: Assignment-2

### **Mission 03: Be a RDBMS Rockstar**

- Module 11: Relational Database Concepts
- Module 12: Database Normalization
- Module 13: Advanced SQL Queries
- Module 14: PostgreSQL Advanced Features
- Module 15: RDBMS Case Studies – Real-World Database Design

#### **Mission 04: Be a Prisma- Next.js Ninja**

- Module 16: Prisma ORM Essentials
- Module 17: Explore Prisma by Building an App Part-1
- Module 18: Explore Prisma by Building an App Part-2
- Module 19: Fundamentals Next.js
- Module 20: Explore Next.js Core Concepts Part-1
- Module 21: Explore Next.js Core Concepts Part-2
- Module 22: Next.js Authentication System
- Module 23: Assignment-3

#### **Mission 05: Be a Full Stack Developer with AI Integration (Backend)** ( Industry-Standard Project-1)

- Module 24: Requirement Analysis & ER Diagram
- Module 25: Building PH Healthcare Backend Part-1
- Module 26: Building PH Healthcare Backend Part-2
- Module 27: Building PH Healthcare Backend Part-3
- Module 28: Building PH Healthcare Backend Part-4
- Module 29: Building PH Healthcare Backend Part-5
- Module 30: Building PH Healthcare Backend Part-6
- Module 31: Building PH Healthcare Backend Part-7
- Module 32: Building PH Healthcare Backend Part-8
- Module 33: Assignment-4

#### **Mission 06: Be a Full Stack Developer with AI Integration (Frontend)** ( Industry-Standard Project-1)

- Module 34: Building PH Healthcare Frontend Part-1
- Module 35: Building PH Healthcare Frontend Part-1
- Module 36: Building PH Healthcare Frontend Part-2
- Module 37: Building PH Healthcare Frontend Part-3
- Module 38: Building PH Healthcare Frontend Part-4
- Module 39: Building PH Healthcare Frontend Part-5
- Module 40: Building PH Healthcare Frontend Part-6
- Module 41: Building PH Healthcare Frontend Part-7
- Module 42: Building PH Healthcare Frontend Part-8
- Module 43: Assignment-5

#### **Mission 06: Be a Golang Genius**

- Module 44: Getting Started with Golang
- Module 45: Deep Dive into Go Fundamentals
- Module 46: Explore Advance Concepts of GO

- Module 47: Explore Go Backend Framework
- Module 48: Advance CRUD using GO Backend Framework
- Module 49: Assignment-6

### **Mission 07: Be a Full Stack Developer with Golang**

( Industry-Standard Project-2)

- Module 50: Building PH Tour Management Backend Part-1
- Module 51: Building PH Tour Management Backend Part-2
- Module 52: Building PH Tour Management Backend Part-3
- Module 53: Building PH Tour Management Backend Part-4
- Module 54: Building PH Tour Management Backend Part-5
- Module 55: Building PH Tour Management Backend Part-6
- Module 56: Building PH Tour Management Backend Part-7
- Module 57: Building PH Tour Management Backend Part-8
- Module 58: Guideline for Building PH Tour Management Frontend
- Module 59: Assignment -7

### **Mission 08: Be Docker & Nginx Nomad**

- Module 60: Introduction to Docker
- Module 61: Docker Images And Containers
- Module 62: Docker Volumes And Managing Data
- Module 63: Docker Networks And Cross Container Communication
- Module 64: Building Multi-Container Application with Docker
- Module 65: Multi-Container Orchestration with Docker Compose & Utility Containers
- Module 66: Reverse Proxy Nginx
- Module 67: Load Balancing with Nginx

## **Reward Courses**

### **Mission : Be An AWS Adventurer**

- Module 1: Getting Started With Cloud Computing
- Module 2: Comprehensive S3 And IAM Guide
- Module 3: Mastering Linux Essentials: A Beginner's Guide
- Module 4: Mastering Linux Essentials: Permissions, Processes, And Utilities
- Module 5: EC2 Essentials: Build, Deploy, And Scale With AWS
- Module 6: Server Deployment With NGINX And EC2
- Module 7: Automating CI/CD With GitHub Actions
- Module 8: Hosting An Application With GitHub Actions (CI/CD)

### **Mission : Be A Testing Titan**

- Module 1: Getting Started With Unit And Integration Tests
- Module 2: Understanding Advance Mocking Technique And Testing React App
- Module 3: Debugging React Tests & Rest API Testing With Jest And Supertest

### **Mission : Be A SWE Starter**

- Module 1: Foundations of Software Engineering
- Module 2: Software Design & Architecture
- Module 3: Testing & Deployment Strategies
- Module 4: Quality, Maintenance and Ethics

**Let's Code Your Next Level Career** 