**27-Week Schedule 4 Backend, DevOps & Cloud Learning Plan**

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**1. Backend Developer:** focuses on building APIs, database management, and handling business logic in applications.

**2. DevOps Engineer:**  focuses on CI/CD pipelines, automation, infrastructure as code (IaC), and server management.

**3. Cloud Developer:** builds scalable applications that run on cloud infrastructure like AWS, Azure, or Google Cloud.

**Focus on:**

🔹 **Backend Developer**: Focus on Django, Django REST Framework, PostgreSQL, Redis, Celery, and API design.  
🔹 **DevOps Engineer**: Master Docker, Kubernetes, CI/CD, Terraform, Linux, and AWS/Azure.  
🔹 **Cloud Developer**: Learn AWS, Google Cloud, Serverless, Cloud Databases, and API Gateways.

**1. Backend Developer Tech Stack**

✅ **Django (Python Framework)** – Core backend framework  
✅ **Django REST Framework** – API development  
✅ **Celery** – Background tasks (asynchronous processing)  
✅ **Redis** – Caching and message brokering  
✅ **PostgreSQL** – Production database  
✅ **SQLite** – Development database  
✅ **Gunicorn** – WSGI server for running Python apps

**Additional Technologies to Learn:**

🚀 **FastAPI** – Alternative to Django REST Framework for building modern APIs  
🚀 **GraphQL (Strawberry for Python)** – Query language for APIs  
🚀 **MongoDB** – NoSQL database alternative  
🚀 **RabbitMQ** – Message broker alternative to Redis  
🚀 **ElasticSearch** – Search and analytics engine for handling large datasets  
🚀 **Microservices & API Gateways** – Learn about breaking monolithic apps into microservices  
🚀 **Unit Testing (Pytest, Unittest)** – Essential for backend reliability

**Roadmap & Learning Resources:**

📌 [Django REST Framework Crash Course](https://www.youtube.com/watch?v=tujqJjZB1No)  
📌 [PostgreSQL Full Course](https://www.youtube.com/watch?v=qw--VYLpxG4)  
📌 [Celery & Redis in Django](https://www.youtube.com/watch?v=H7xuK1oIyyk)  
📌 [FastAPI Crash Course](https://www.youtube.com/watch?v=tLKKmouUams)

**2. DevOps Engineer Tech Stack**

✅ **Docker & Docker Compose** – Containerization  
✅ **Node.js** – Used in frontend but relevant for DevOps in some cases  
✅ **Python 3.12** – Used for scripting and automation  
✅ **Mailpit** – Email testing in development

**Additional Technologies to Learn:**

🚀 **Kubernetes** – Container orchestration for managing Dockerized applications  
🚀 **CI/CD Tools (GitHub Actions, GitLab CI/CD, Jenkins)** – Automate deployments  
🚀 **Infrastructure as Code (Terraform, Ansible, AWS CloudFormation)** – Automate cloud/server configurations  
🚀 **Linux (Bash Scripting, System Administration)** – Essential for managing servers  
🚀 **Monitoring & Logging (Prometheus, Grafana, ELK Stack)** – Observability and performance tracking  
🚀 **Networking (Nginx, Apache, HAProxy)** – Load balancing, reverse proxies  
🚀 **Cloud Services (AWS, GCP, Azure)** – Learn cloud automation and infrastructure

**Roadmap & Learning Resources:**

📌 [Docker & Docker Compose Crash Course](https://www.youtube.com/watch?v=9zUHg7xjIqQ)  
📌 [Kubernetes Crash Course](https://www.youtube.com/watch?v=7bA0gTroJjw)  
📌 [Terraform Beginner Course](https://www.youtube.com/watch?v=SLB_c_ayRMo)  
📌 [GitHub Actions Tutorial](https://www.youtube.com/watch?v=mFFXuXjVgkU)

**3. Cloud Developer Tech Stack**

✅ **Django & Django REST Framework** – Backend for cloud-based APIs  
✅ **Docker & Docker Compose** – Containerization for cloud deployment  
✅ **PostgreSQL** – Cloud-friendly database

**Additional Technologies to Learn:**

🚀 **Cloud Providers (AWS, Google Cloud, Azure)** – Learn cloud-based deployments  
🚀 **Serverless Computing (AWS Lambda, Google Cloud Functions)** – Running backend code without managing servers  
🚀 **API Gateways (AWS API Gateway, Kong, Traefik)** – Managing and securing APIs  
🚀 **Cloud Databases (AWS RDS, Firebase, DynamoDB)** – Learn cloud-native storage  
🚀 **Load Balancing & Auto Scaling** – Managing scalable applications  
🚀 **Security & IAM (OAuth, JWT, AWS IAM Policies)** – Secure cloud-based apps

**Roadmap & Learning Resources:**

📌 [AWS Certified Cloud Practitioner Course](https://www.youtube.com/watch?v=3hLmDS179YE)  
📌 [Deploy Django App on AWS](https://www.youtube.com/watch?v=6DhKZmJZtIM)  
📌 [Google Cloud Serverless Tutorial](https://www.youtube.com/watch?v=dq5NzVQ6eBg)  
📌 [Azure Cloud Development Guide](https://www.youtube.com/watch?v=9vi2rv8z-zQ)

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| TIMELINE | GOALS | | DOING | | STATUS | | Github? |
| If something is not done, move it on to the next week |  | |  | |  | |  |
| **WEEK 1**  **(10 – 14 Feb):**   * **Django** * **PostgreSQL** | 1. ✅ Learn Django basics (models, views, authentication) 2. ➡️ Django Full Course 3. ✅ Set up a PostgreSQL database in Django 4. ➡️ Django + PostgreSQL Guide 5. ✅ Build a simple CRUD API (Create, Read, Update, Delete) | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 2**  **(17 – 21 Feb):**   * **Django REST API & Authentication** | 1. ✅ Learn Django REST Framework (DRF) 2. ➡️ [Django REST Framework Crash Course](https://www.youtube.com/watch?v=tujqJjZB1No) 3. ✅ Implement JWT authentication in Django 4. ➡️ [JWT Authentication](https://www.youtube.com/watch?v=Fhcn2qx-4VQ) 5. ✅ Add Unit Testing and Debugging for APIs 6. ➡️ [Testing in Django](https://www.youtube.com/watch?v=sh4MJ6N5xIs) 7. 🎯 **Mini Project:** Build a User Authentication API with JWT & PostgreSQL | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 3**  **(24 – 28 Feb):**   * **Caching, Redis & Async Tasks** | 1. ✅ Learn Redis caching for optimizing API responses 2. ➡️ [Django Redis Caching Guide](https://www.youtube.com/watch?v=15RuRwA2F-8) 3. ✅ Implement Celery for background tasks (e.g., sending emails) 4. ➡️ [Celery + Redis Guide](https://www.youtube.com/watch?v=H7xuK1oIyyk) | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 4**  **(03 – 07 Mar):**   * **Advanced Backend & Security** | 1. ✅ Implement API rate limiting and request throttling 2. ✅ Learn OAuth authentication & API security best practices 3. ✅ Secure APIs using Django permissions & role-based access 4. 🎯 **Project:** Build a Task Management API with Redis & JWT Authentication | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 5**  **(10 – 14 Mar):**   * **Tech1** * **Tech2** |  | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 6**  **(17 – 21 Mar):**   * **Containerization with Docker** | 1. ✅ Learn Docker fundamentals & create a Dockerfile 2. ➡️ [Docker Crash Course](https://www.youtube.com/watch?v=9zUHg7xjIqQ) 3. ✅ Dockerize Django & PostgreSQL with Docker Compose 4. ➡️ [Django + Docker Guide](https://www.youtube.com/watch?v=Y4PElUftzzE) | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 7**  **(24 – 28 Mar):**   * **Kubernetes & CI/CD Pipelines** | 1. ✅ Learn Kubernetes (K8s) fundamentals 2. ➡️ [Kubernetes Crash Course](https://www.youtube.com/watch?v=7bA0gTroJjw) 3. ✅ Deploy Django API using Kubernetes 4. ✅ Learn GitHub Actions for CI/CD automation ➡️ [GitHub Actions for CI/CD](https://www.youtube.com/watch?v=mFFXuXjVgkU) 5. 🎯 **Project:** Deploy Django API on Kubernetes with CI/CD | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 8**  **(31 – 04 Apr):**   * **Tech1** * **Tech2** * **🎯 Project: Deploy Django API on Kubernetes with CI/CD** |  | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 9**  **(07 – 11 Apr):**   * **Tech1** * **Tech2** * **Terraform for Infrastructure Automation** | 1. Learn Terraform fundamentals & AWS setup 2. ➡️ [Terraform for Beginners](https://www.youtube.com/watch?v=SLB_c_ayRMo) 3. ✅ Create AWS EC2 instances using Terraform 4. ✅ Deploy a PostgreSQL database on AWS RDS | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 10**  **(14 – 18 Apr):**   * **AWS Cloud & Security** | 1. ✅ Learn AWS IAM roles & permissions 2. ➡️ [AWS IAM Explained](https://www.youtube.com/watch?v=7y6NJ5vD8wA) 3. ✅ Deploy Django API using AWS EC2, RDS, and S3 ➡️ [Deploy Django on AWS](https://www.youtube.com/watch?v=RRt_2t5qCuM) | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 11**  **(21 – 25 Apr):**   * **🎯 Project: Deploy a Secure Django API using AWS & Terraform** |  | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 12**  **(28 – 02 May):**   * **Serverless APIs & AWS Lambda** | 1. ✅ Learn AWS Lambda & API Gateway 2. ➡️ [Serverless Django API](https://www.youtube.com/watch?v=6DhKZmJZtIM) 3. ✅ Convert Django API to a Serverless Function | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 13**  **(05 – 09 May):**   * **Monitoring & Logging (Prometheus & Grafana)** | 1. ✅ Learn Prometheus & Grafana for API Monitoring 2. ➡️ [Prometheus & Grafana Tutorial](https://www.youtube.com/watch?v=Fy6NR6qXBfI) 3. ✅ Implement Logging & Performance Monitoring in Django | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 14**  **(12 – 16 May):**   * **🎯 Project: Serverless Django API with AWS Lambda & Monitoring** |  | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 15**  **(19 – 23 May):**   * **Full-Stack Deployment & Automation** | 1. ✅ Automate CI/CD pipeline using Terraform, Docker & AWS 2. ✅ Deploy a scalable Django API using Kubernetes & AWS | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 16**  **(26 – 30 May):**   * **Final Project & Resume Prep** | 1. ✅ Build a portfolio with your projects 2. ✅ Optimize GitHub profile & write README files 3. ✅ Apply for Backend, Cloud & DevOps job roles | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 17**  **(02 – 06 Jun):**   * **Tech1** * **Tech2** |  | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 18**  **(09 – 13 Jun):**   * **🎯 Final Capstone: Deploy a Production-Ready Django API with CI/CD, Docker, Kubernetes & AWS** |  | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 19**  **(16 – 20 Jun):**   * **Django**   **PostgreSQL** | 1. ✅ Learn Django basics (models, views, authentication) 2. ➡️ Django Full Course 3. ✅ Set up a PostgreSQL database in Django 4. ➡️ Django + PostgreSQL Guide 5. ✅ Build a simple CRUD API (Create, Read, Update, Delete) | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 20**  **(23 – 27 Jun):**   * **Tech1** * **Tech2** | 1. ✅ Learn Django basics (models, views, authentication) 2. ➡️ Django Full Course 3. ✅ Set up a PostgreSQL database in Django 4. ➡️ Django + PostgreSQL Guide 5. ✅ Build a simple CRUD API (Create, Read, Update, Delete) | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 21**  **(30 – 04 Jul):**   * **Tech1** * **Tech2** | 1. ✅ Learn Django basics (models, views, authentication) 2. ➡️ Django Full Course 3. ✅ Set up a PostgreSQL database in Django 4. ➡️ Django + PostgreSQL Guide 5. ✅ Build a simple CRUD API (Create, Read, Update, Delete) | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 22**  **(07 – 11 Jul):**   * **Tech1** * **Tech2** | 1. ✅ Learn Django basics (models, views, authentication) 2. ➡️ Django Full Course 3. ✅ Set up a PostgreSQL database in Django 4. ➡️ Django + PostgreSQL Guide 5. ✅ Build a simple CRUD API (Create, Read, Update, Delete) | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 23**  **(14 – 18 Jul):**   * **Tech1** * **Tech2** | 1. ✅ Learn Django basics (models, views, authentication) 2. ➡️ Django Full Course 3. ✅ Set up a PostgreSQL database in Django 4. ➡️ Django + PostgreSQL Guide 5. ✅ Build a simple CRUD API (Create, Read, Update, Delete) | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 24**  **(21 – 25 Jul):**   * **Tech1** * **Tech2** | 1. ✅ Learn Django basics (models, views, authentication) 2. ➡️ Django Full Course 3. ✅ Set up a PostgreSQL database in Django 4. ➡️ Django + PostgreSQL Guide 5. ✅ Build a simple CRUD API (Create, Read, Update, Delete) | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 25**  **(28 – 01 Aug):**   * **Tech1** * **Tech2** | | 1. ✅ Learn Django basics (models, views, authentication) 2. ➡️ Django Full Course 3. ✅ Set up a PostgreSQL database in Django 4. ➡️ Django + PostgreSQL Guide 5. ✅ Build a simple CRUD API (Create, Read, Update, Delete) | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 26**  **(10 – 14 Jul):**   * **Tech1** * **Tech2** | | 1. ✅ Learn Django basics (models, views, authentication) 2. ➡️ Django Full Course 3. ✅ Set up a PostgreSQL database in Django 4. ➡️ Django + PostgreSQL Guide 5. ✅ Build a simple CRUD API (Create, Read, Update, Delete) | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
| **WEEK 27**  **(10 – 14 Jul):**   * **Tech1** * **Tech2** | | 1. ✅ Learn Django basics (models, views, authentication) 2. ➡️ Django Full Course 3. ✅ Set up a PostgreSQL database in Django 4. ➡️ Django + PostgreSQL Guide 5. ✅ Build a simple CRUD API (Create, Read, Update, Delete) | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | | 1. NameofYtVideoAndLink2Video 2. NameofYtVideoAndLink2Video 3. NameofYtVideoAndLink2Video 4. NameofYtVideoAndLink2Video 5. NameofYtVideoAndLink2Video | 1. RepoLink 2. RepoLink 3. RepoLink 4. RepoLink 5. RepoLink |
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