Twitter Clone - AWS EC2 Deployment Summary (Frontend + Backend)

6. Start the Backend

```
cd Twitter_clone/backend
nano .env
npm install
npm start
7. Install and Configure PM2
sudo npm install -g pm2
pm2 start server.js --name twitter-backend
pm2 status
pm2 startup
# Run the command shown by pm2 startup
pm2 save
8. Open Required Ports in AWS Security Group
- Port 22 -> SSH
- Port 80 -> Frontend
- Port 3000 -> Backend API
9. Build and Deploy Frontend
cd ../frontend
npm install
npm run build
Copy Build to Nginx Directory:
sudo rm -rf /var/www/html/*
sudo cp -r build/* /var/www/html/
sudo systemctl restart nginx
10. Fix Nginx to Support React Routing
sudo nano /etc/nginx/sites-available/default
location / {
  try_files $uri /index.html;
```

```
sudo systemctl reload nginx

11. CORS Fix for Backend
In server.js or index.js:
app.use(cors({
    origin: 'http://13.202.22.78',
    methods: ['GET', 'POST', 'PUT', 'DELETE', 'OPTIONS'],
    allowedHeaders: ['Content-Type', 'Authorization']

}));

pm2 restart twitter-backend
```

12. Final Result

- Frontend: http://13.202.22.78

- Backend API: http://13.202.22.78:3000/api/...

- PM2 keeps backend alive

- Nginx supports React routing

Optional Next Steps:

- Nginx reverse proxy for cleaner URLs
- Enable HTTPS with Let's Encrypt
- Use a custom domain
- Automate deployment with GitHub Actions