

MANISH KUMAR

DevOps Engineer

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PROFILE

Aspiring DevOps Engineer with strong fundamentals in Linux, Docker, and Cloud. Hands-on experience in building CI/CD pipelines and automating deployment workflows. Dedicated to delivering scalable infrastructure solutions through practical implementation.

SKILLS

Core DevOps & Version Control

- Linux
- Git, GitHub

CI/CD Tools

- Jenkins
- GitHub Actions

Cloud & Infrastructure as Code

- AWS
- Terraform

Monitoring & Observability

- Grafana
- Prometheus

Containerization

- Docker

Automation & Configuration

- Bash Scripting
- Ansible

Databases

- MySQL
- MongoDB

Networking

- Cloudflared Tunnel
- DNS Management
- SSH

DEVOPS PROJECTS

Dockerized Full-Stack Application with AWS & Terraform

December 2025 | [Source Code](#) | <https://github.com/iammanishjangra/dockerized-todo-fullstack.git>

- **Full-Stack Containerization:** Used **Docker** and **Docker Compose** to containerize a React frontend, Node.js backend, and MySQL database for a consistent environment.
- **Infrastructure as Code (IaC):** Wrote **Terraform** scripts to automatically setup AWS EC2 instances and security groups, removing all manual server configuration.
- **CI/CD Automation:** Built a **GitHub Actions** pipeline to automatically build Docker images, push them to Docker Hub, and deploy the app to AWS on every code update.
- **Nginx Reverse Proxy:** Configured **Nginx** to serve the frontend and act as a reverse proxy for the backend API, solving CORS issues and improving security.
- **Fast Deployment:** Automated the deployment process via SSH, reducing the total time to pull new images and restart the application to under **2 minutes**.
- **Data Persistence:** Managed **Docker Volumes** to ensure that all Todo data in the MySQL database remains safe even if the containers are restarted.

Automated AWS Infrastructure & CI/CD Pipeline

December 2025 | [Source Code](#) | <https://github.com/iammanishjangra/automated-react-deployment-aws.git>

- **Infrastructure as Code (IaC):** Used **Terraform** to provision an **AWS EC2 instance** and automated the **Docker installation** process via Terraform script, saving **100% manual effort** in server setup.

- **State Management:** Managed the **Terraform tfstate** locally for secure and precise tracking of infrastructure changes.
- **CI/CD Automation:** Build a **GitHub Actions** pipeline that automatically builds the **React Docker Image** on every code push and pushes it to **Docker Hub**.
- **Automated Deployment:** Configured the pipeline to SSH into the **EC2 instance**, pull the latest image from Docker Hub, and restart the container, reducing deployment time to **less than 2 minutes**.
- **Version Control:** Hosted the complete source code and automation scripts on **GitHub**, following professional DevOps best practices.

Wordpress in Docker

December 2025 | [Source Code](#) | <https://github.com/iammanishjangra/dockerized-wordpress-stack.git>

- **Server Setup:** Converted a local machine into a headless **Debian CLI** server, increasing system speed by **30%** by removing unnecessary desktop features.
- **Container Management:** Used **Docker Compose** to link WordPress, MySQL and Redis, making the setup **95% faster** than manual installation.
- **Public Access & Security:** Connected a **custom domain** via **Cloudflare Tunnels**, hiding my home IP and making the network **100% secure** from outside attacks.
- **Automated Backup:** Created a **Bash Script** with **Cronjobs** to backup Themes, Plugins and Databases, with a rotation policy to keep only the **3 most recent copies**.
- **Data Safety:** Used **Docker Volumes** to ensure **100% data persistence**, so no files or records are lost if the server restarts.

TECHNICAL TRAINING & EDUCATION

- 1 year Computer Application Diploma – **Disha Institute of Group Hisar**
- Getting Started with DevOps on AWS – **AWS Training & Certification (Dec 2025)**
- DevOps Certificate – **ChaiCode** (Linux, Git, Docker, CI/CD Basics)
- 6 months Computer Software Course – **Hartron Workstation Hisar**
- 12th – Commerce | 62.8% (2017)