

# Manan Paliwal

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[LinkedIn](#)

DevOps Engineer with **2 years** of experience in CI/CD pipelines, cloud infrastructure (AWS, Azure), automation, and monitoring. Skilled in optimizing deployments, improving reliability, and driving scalable DevOps solutions.

## WORK EXPERIENCE

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- **DevOps Engineer I** Webanix Solutions (May 2025 - Present)
  - Deployed and containerized application services on **AWS EC2 with Docker**, achieving **99.9% uptime** across production and test environments.
  - Architected a **3-tier AWS VPC with NAT Gateway and Load Balancer**, securely handling **5,000+ concurrent sessions** to improve scalability
  - Automated release workflows using **Jenkins CI/CD pipelines** and **Azure ACR**, cutting deployment time from **30 minutes to under 5 minutes**..
  - Delivered **multi-cloud solutions (AWS, Azure, GCP, cPanel)**, including IoT architecture and AI hosting, optimizing infrastructure costs and ensuring **high availability (98–99.9% uptime)**.
- **DevOps Intern** Easewin Gaming Pvt. Ltd. (Dec 2024 - May 2025)
  - Designed and enforced **scalable REST and gRPC APIs with FastAPI**, reducing system latency and boosting developer productivity by **75%**.
  - Enhanced **PostgreSQL queries and integrated Redis caching**, cutting API response times by **40%** and reducing database load.
  - **Deployed microservices on Google Cloud Run and Kubernetes Engine**, ensuring high availability and seamless horizontal scaling.
- **DevOps Intern** Codenscious.ai (Aug 2024 - Dec 2025)
  - Deployed **Flask REST API and frontend with GitHub Actions** → **GitHub Pages**, enabling end-to-end CI/CD and reducing manual deployment effort by **70%**.
  - Introduced **Apache Kafka** and **Zookeeper** for distributed messaging, enabling reliable real-time **data streaming** and improving scalability.
  - Applied **Kafka-based event-driven architecture**, doubling throughput capacity (**2x**) while enhancing service fault-tolerance.

## PROJECTS

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- **Raremonds** (AWS Lightsail, WordPress, MySQL) – Client Project [Raremonds.com](#)
  - Designed and executed a **performance & scalability audit** for a WordPress website handling **850+ media assets** and heavy plugin load.
  - Implemented **MySQL binlog management, Redis object caching, and CloudFront + S3 integration**, eliminating recurring crashes and reducing server load by **40%**.
  - Streamlined **PHP-FPM and MySQL configurations** to improve query response times and stabilize CPU usage (cut peak utilization from **~96% to <65%**).
  - Proposed and architected a **scalable AWS infrastructure** using **EC2, RDS (Multi-AZ), Auto Scaling Groups, Application Load Balancer, and WAF** to support **0** → **1M+ users** with high availability and disaster recovery.
- **MockChamp** (AWS, Docker, S3) – Client Project [mockchamp.com](#)
  - Migrated legacy applications to **AWS cloud** infrastructure with **Docker**, cutting infrastructure costs by **~\$3,000** through optimized resource allocation and enhanced scalability..
  - Configured **Amazon S3** for static asset delivery, enabling **zero-downtime** deployments, **99.99%** content availability, and significantly faster page load times.

## CERTIFICATIONS

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- EduTech's Industry Certification Program in Information Technology (**L&T**) [Link](#)
- DevOps Mastery Program (**Grras**) [Link](#)

## TECHNICAL SKILLS

- **Cloud Platforms:** AWS, Microsoft Azure, GCP
- **Programming & Scripting:** Python, Shell, Groovy, Java, Go
- **DevOps & Infrastructure:** Terraform, Ansible, Docker, Kubernetes
- **CI/CD & Version Control:** Jenkins, GitHub Actions, GitLab, Bitbucket, CircleCI, TravisCI
- **Databases & Caching:** MySQL, PostgreSQL, Redis
- **Monitoring & Messaging:** CloudWatch, Grafana, Prometheus, DataDog, Apache Kafka, Zookeeper
- **Collaboration Tools:** Maven, Gradle, Jira, Slack

## EDUCATION

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- **Bachelor of Technology(B.Tech):** 9.6 CGPA, GITS Udaipur (2021- 2025)