

Aman Kumar Pandey

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A dedicated and skilled Linux Engineer with 4+ years of experience. Proficient in managing and optimizing Linux-based systems, automation, infrastructure management, and troubleshooting.

Skills

- **Cloud & Infrastructure:** AWS (EC2, S3, RDS, VPC, ELB, IAM, CloudWatch, ECR, ECS)
- **CI/CD Tools:** Jenkins, GitHub Actions, GitLab CI
- **Containers & Orchestration:** Docker, Kubernetes (EKS), Helm
- **IaC & Automation:** Terraform, Ansible, CloudFormation, Bash
- **Monitoring & Logging:** Prometheus, Grafana, ELK Stack, CloudWatch
- **Networking:** Cisco Routers & Switches, TCP/IP, DNS, Subnetting, NAT, VPN, Routing & Switching (CCNA-level)
- **Security Tools:** WAF, SSL/TLS, IAM Policies, NACLs, Security Groups, Firewall Configuration
- **Languages:** Bash, Python, Shell, YAML
- **Others:** Git, GitHub, Nginx, Apache, MySQL, MongoDB

Experience

DevOps Lead

KDS Services Pvt. Ltd.

Aug 2025 - Present

Achievements/Tasks

- Provisioned and managed **AWS cloud infrastructure** for production workloads.
- Built and maintained secure **CI/CD pipelines** using GitHub Actions.
- **Automated EC2, PostgresSql, Redis, and S3** provisioning via **Terraform**.
- Integrated **CloudWatch** and custom alerting for proactive **monitoring**.
- Ensured infrastructure **security** using **WAF, SSL, IAM roles, and NACLs**.
- **Reduced operational costs** with **reserved instances** and **lifecycle policies**.
- Perform Server **Backups** and **Restores**.

Projects

FSM — AWS Platform {Aug 2025- present}

- Deployed and managed scalable backend infrastructure using EC2, PostgresSql, S3, and VPC.
- Configured ALB, CloudWatch alerts, and automated backups with lifecycle policies.
- Implemented secure IAM roles and SSL-based communication.
- Automated deployment workflows for faster rollouts and rollback safety.

WMS — Monster Platform {Aug 2025- present}

- Managed deployment pipelines and backend configurations.
- Integrated with monitoring and logging for performance tracking.
- Enhanced server reliability and uptime with automated process restarts

HMS — Monster Platform {Aug 2025- present}

- Deployed services using containerized environments and CI/CD pipelines.
- Optimized APIs and background workers for stable load performance.
- Configured role-based access and environment isolation.

Parivar Register — VPS (WHM / cPanel) {Aug 2025- present}

- Deployed and maintained application using Apache, MySQL, and PHP stack.
- Configured domain routing, SSL certificates, and email delivery on WHM/cPanel.
- Performed database backups and log management for compliance.

Experience

DevOps Engineer

Masterwiz Technologies

Feb 2022 - Aug 2025

Achievements/Tasks

- Provisioned and managed **AWS cloud infrastructure** for production workloads.
- Built and maintained secure **CI/CD pipelines** using GitHub Actions.
- **Automated EC2, RDS, Redis, and S3** provisioning via **Terraform**.
- Performed **zero-downtime MySQL migrations** using Blue-Green deployment.
- Integrated **CloudWatch** and custom alerting for proactive **monitoring**.
- Ensured infrastructure **security** using **WAF, SSL, IAM roles, and NACLs**.
- **Reduced operational costs** with **reserved instances** and **lifecycle policies**.
- Perform Server **Backups** and **Restores**.

Projects

MyMaster11 {2022- Aug 2025}

- Scalable Fantasy Sports Platform (DevOps Engineer) Tech Stack: AWS (EC2, Aurora RDS, ElastiCache, S3, Route 53, WAF, CloudWatch), MySQL, Redis, Auto Scaling, ALB, API Gateway
- Led complete DevOps lifecycle ensuring performance and uptime.
- Upgraded RDS (MySQL 5.7 to 8.0) using Blue-Green deployment.
- Integrated Redis caching and WAF for optimization and security.
- **Key Achievement:** Achieved zero-downtime migration using Blue-Green deployment.

Opinio {2023- Aug 2025}

- Real-Time High-Concurrency Application (Cloud & Infrastructure Engineer) Tech Stack: EC2, Aurora RDS, Redis, MongoDB, RabbitMQ, Route 53, CloudWatch, Supervisor, Cron, S3
- Deployed and managed high-concurrency architecture for real-time services.
- Optimized SQL performance using advanced indexing techniques.
- Integrated Redis/MongoDB for fast and flexible data handling.
- **Key Achievement:** Improved DB performance significantly under peak load.

Sportswiz {2024- Aug 2025}

- Lightweight Internal Infrastructure (DevOps Consultant) Tech Stack: EC2, Redis, S3, Bash Scripting, VPC, CloudWatch, IAM
- Built single-EC2 infrastructure with Bash-based automation.
- Configured S3 backups, log rotation, and monitoring using CloudWatch.
- Delivered isolated and secure networking with custom VPC.
- **Key Achievement:** Delivered a high-availability setup with less than 5 percent manual operations.

MyMaster11 Shop {2024- Aug 2025}

- E-commerce Platform (DevOps & Backend Engineer) Tech Stack: EC2, MongoDB, S3, Nginx, SSL, Domain Routing, CI/CD
- Deployed secure subdomain architecture with SSL and MongoDB backend.
- Built CI/CD workflows for seamless deployment with rollback.
- Managed S3-based image hosting with access policies.
- **Key Achievement:** Launched scalable e-commerce infra with minimal resources.

Education

B.Sc. Computer Science

Dr. Ghanshyam Singh PG College

MGKVP University

2018 - 2021

Certificates

- Python Programming - Basic to Advanced
- AWS Certified Solutions Architect - Associate (in progress)
- Git & GitHub - Project Management and Collaboration

Languages

- English, Hindi