

Varun Gupta

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Faridabad, Haryana

AWS Certified DevOps Engineer with 3+ years of hands-on experience in cloud infrastructure, **CI/CD pipelines**, and containerization. Proficient in **AWS** (EC2, VPC, RDS, S3), **Docker**, **Kubernetes**, GitHub Actions, GitLab, and Terraform. Skilled in automation, monitoring (**Datadog**, **Grafana**), and secure networking using Tailscale. Awarded **Gold Medal** for securing **1st Rank** in MCA at Manav Rachna University.

Experience

DevOps Engineer *QSS Technosoft - Noida*

08/2023 – Present

Responsibilities

- Deployed containerized **Node.js**, **Python**, and **MERN** apps using **Docker** and **Compose** in production
- Configured **Nginx reverse proxy (NPM)** to host multiple domains with **SSL via Let's Encrypt**.
- Implemented **CI/CD pipelines** using **GitLab** and **GitHub Actions** for **AWS ECS** and on-prem environments.
- Built **OpenWRT-based Raspberry Pi mesh network** with **Tailscale VPN** for secure remote access.

OPEXUS (US Gov) Observability for **400+ servers** and **Kubernetes clusters** via **Datadog**.

AVERISOURCE Migrated infrastructure from **Azure to AWS**; integrated Entra ID and **S3 + Rclone backups**.

AICARINC Set up Secure **AWS Workspaces** Environment.

GYMTIME CI/CD pipeline with **GitLab** and **Docker** on **AWS Fargate**.

- Prototyped **infrastructure automation** using **Terraform**, **Ansible**, and **Kubernetes**.
- Managed **IAM**, **AWS Workspaces setup**, and secure access via **AWS Secrets Manager**.

DevOps Engineer *Web2Rise - Faridabad*

10/2022 – 07/2023

Responsibilities

- Deployed and maintained **Dockerized MERN** apps on **VPS** with **aaPanel**, managing domains, SSL, and DNS (Cloudflare).
- Built multiple **Docker-based Environment** and Automated **backups** to **FTP**.
- Managed **Wordpress** and Linux **Web Hosting**.

Web Developer *Web2Rise - Faridabad*

05/2022 – 09/2022

Responsibilities

- Developed full-stack **Task Notify App** and deployed on **Ubuntu Server** using **aaPanel** and **Nginx reverse proxy**.
- Integrated **WhatsApp API** for **automation** of workflow.

Education

MCA *Manav Rachna International Institute of Research and Studies*

08/2022 – 07/2024

BCA *MDU University, Rohtak*

07/2019 – 06/2022

Senior Secondary (12th CBSE) *Vidya Mandir Public School*

2019

Secondary (10th CBSE) *Vidya Mandir Public School*

2017

Projects

Opexus-Casepoint | US GovTech Infra Observability

- Supported **400+ Linux servers** and **150+ US Gov endpoints** across **staging** and **production** environments.
- Implemented **full-stack observability** using **Datadog (Dashboards, Log Streams, Alerts)**.
- Set up **Kubernetes monitoring (nodes, pods, workloads)** on **Datadog** and secure remote access via **WireGuard VPNs**.
- Explored **Infrastructure as Code (Terraform)**, configuration management (**Ansible**), and container orchestration (**Kubernetes**) for internal automation and scaling.

AVERISOURCE – Azure to AWS Cloud Migration

- Migrated core infrastructure from **Azure to AWS**, including **compute, networking, RDS(Databases)** and **storage**.
- Set up **Transit Gateway, VPC peering, and hybrid connectivity** with **Azure** Entra ID (AD sync) and **Physical Data Center**.
- Automated **backup and file access workflows** using **S3, Rclone**, and **Filestash** with **IAM roles** and **encryption**.

ALCARINC – Secure AWS Workspaces Environment

- Set up a **production-ready AWS Workspaces** deployment integrated with **AWS Managed Microsoft AD**.
- Configured **IAM policies**, multi-factor authentication (**MFA**), **user provisioning**, and **access control**.
- Implemented **performance monitoring** using **AWS CloudWatch**

GYMTIME – CI/CD Pipeline for MERN Application

- Designed and deployed a **GitLab CI/CD pipeline** to automate **Docker builds and deployments** on **AWS Fargate** via **ECR**.
- Ensured **zero-downtime deployments** using **blue-green strategy** and **health checks** with **ALB** and **CloudWatch**.
- **React Build** Deployed on **CloudFront + S3**.
- Configured **GitLab self-hosted runners** and automated **environment-specific deployments**.

Homelab - Raspberry Pi & OpenWRT Mesh Network

- Set up a **self-hosted lab** using **Raspberry Pi, Docker, and OpenWRT** for DevOps experimentation.
- Deployed mesh VPN (**Tailscale, WireGuard**) for secure remote subnet access.
- Hosted **15+ self hosted apps** with **Nginx Proxy Manager, SSL (Let's Encrypt)**, and **Cloudflare DNS**.
- Automated **backups (FTP, MySQL)** and implemented monitoring with **Grafana, Prometheus**, and **Dozzle**.

Certificates & Achievements

- **AWS Certified Cloud Practitioner** *Amazon Web Services – August 2024*
- **Gold Medalist (1st Rank)** – MCA, Manav Rachna University – 2024
- **Research Poster Presentation** - “WhatsApp API on SaaS” presented at university-level research symposium
- **Introduction to IoT & Industry 4.0** by NPTEL

Skills

Cloud Platforms

- **AWS (Certified):** EC2, VPC, S3, IAM, RDS (MySQL, SQL Server), ECS, Fargate, Route 53, CloudWatch, CloudTrail, ElastiCache, Secrets Manager, Workspaces, Transit Gateway
- **GCP:** Docker deployments via GitHub Actions
- **Azure:** Migration projects to AWS, Hybrid Cloud.
- **Cost Optimization:** EC2/EBS rightsizing, storage cleanup, lifecycle policies

Containers & Orchestration

- **Docker, Docker Compose:** App packaging, multi-container stacks, Networking.
- **Kubernetes (K8s):** Monitoring workloads, nodes, pods with Datadog.
- **Reverse proxy:** Nginx, Nginx Proxy Manager, Caddy, apache, SSL, multi-domain setup.

CI/CD & Automation

- **CI/CD Tools:** GitHub Actions, GitLab CI (Self-hosted), Jenkins.
- **Scripting & IaC:** Shell, Python, Terraform (basic), Ansible (basic), Power Automate

Monitoring & Observability

- **Tools:** Datadog, Prometheus, Grafana, Node Exporter, cAdvisor, Dozzle.
- **Use Cases:** K8s monitoring, live logs, automated health dashboards
- **Reporting:** Power Automate -> Teams/Excel integration

Networking & Security

- **VPN:** WireGuard, Tailscale, OpenVPN.
- **Networking:** VPC peering, NAT, subnets, route tables, DNS (Cloudflare, Route 53)
- **Security:** IAM roles/policies, Secrets Manager, SSL (Let's Encrypt), firewalls

Tools & Platforms

- **Dev & Infra Tools:** Git, GitHub, GitLab, aaPanel, WHM/cPanel, Azure Boards.
- **Virtualization:** Proxmox, VMware, VirtualBox, QEMU.
- **Documentation & Ticketing:** Azure Boards, SOPs, RCA tracking.