Adhbhut Gupta

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SUMMARY

Cloud & DevOps Engineer skilled in automating multi-service CI/CD pipelines and deploying scalable workloads on GCP and Kubernetes. Built internal tools to streamline Docker builds, improve caching, and reduce deployment time. Known for logical problem-solving, practical design, and a drive to simplify complex workflows.

EXPERIENCE

- **HYPR4 Cloud Tech**   *Sep 2025 – Present*
  Associate Cloud Engineer   Delhi, India
  – Designed and deployed scalable microservices architecture on GKE with internal networking and service mesh integration.
  – Automated CI/CD pipelines using Cloud Build and GitHub Actions for seamless build, test, and production deployments.
  – Managed complete infrastructure lifecycle — from local development to production — ensuring reliability and cost efficiency.
  – Optimized infrastructure costs by implementing smart resource sizing, preemptible VMs, and automated scale-down policies.
  – Built and maintained reusable deployment templates for multi-service workflows and environment provisioning. Contributed to backend codebases, debugging production issues, and improving performance of deployed apps.

- **HYPR4 Cloud Tech**   *Jun 2025 – Aug 2025*
  Pre-Sales Intern   Delhi, India
  – Deployed GCP environments using pre-built Terraform modules
  – Handled manual deployments using yaml files and docker
  – Setup VMs and firewalls for new services
  – Delivered technical demos to clients; learned cluster setup, VMs, and networking.

- **Hritik Textiles**   *Aug 2021 – May 2025*
  Operations and Digital Strategy Manager   Delhi, India
  – Led team of 3; increased sales 30% via WhatsApp, Meesho, YouTube, Instagram.
  – Grew client base 20% through targeted sales and retention initiatives.

TECHNICAL SKILLS

Languages: Go, Python, C++, TypeScript, SQL, Bash
Cloud & DevOps: GCP, GKE, Cloud Build, Cloudflare, Docker, Kubernetes, Terraform, CI/CD, GitHub Actions
Frameworks: Flask, Fiber, React, Vue.js, Node.js, Tailwind CSS
Streaming & Media: MediaMTX, WebRTC, HLS, FFmpeg, NGINX RTMP, Owncast, Adaptive Bitrate
Databases: PostgreSQL, MongoDB, Redis, Cloud SQL
Tools & Monitoring: Grafana, Prometheus, inotify, zstd, BoltDB

PROJECTS

- **Portfolio Website**   *addy-47.github.io/adhbhut*
  Personal DevOps showcase
  – Responsive site with React, TypeScript, Vite, Tailwind, and shadcn/ui.
  – Deployed via GitHub Pages; optimized for speed and accessibility.

- **LazyCreator**   *lazycreator.in*
  AI-powered YouTube Shorts automation platform
  – Built full-stack app (Flask, React) to generate and upload Shorts via YouTube API.
  – Generates scripts, backgrounds , subtitles ,thumbnail and uploads directly to user channel reducing the content generation time to just 5mins.

- Used FFmpeg, GCP Cloud Run, MongoDB; real-time updates via WebSocket.

- **Streamlet** *github.com/addy-47/streamlet*

  Scalable P2P live education streaming

  - A POC designed to support upto 300K concurrent users via HLS + WebRTC P2P mesh; 50–95% bandwidth saved .
  - Fully functional features like private chat, public chat , stage invite , broadcast
  - Go Fiber backend, React frontend, MediaMTX, PostgreSQL,Coturn,PeerJS, Redis; fully Dockerized and deployed on VM

- **Dockerz v2** *github.com/addy-47/scripts/dockerz*

  Smart multi-service Docker builder CLI

  - Go CLI with Git + SHA256 change detection; parallel builds cut CI/CD time by 70%+.
  - Multi-level caching, GAR integration, and output for downstream pipelines.

- **u-cli** *github.com/addy-47/scripts/u-cli*

  Universal Linux undo command

  - Single Go binary undoes last `mv`, `rm`, `cp` via shell hooks.
  - inotify + zstd backups; works in bash/zsh/fish with one-liner install.

- **Go Blog App on GKE** *github.com/addy-47/go-blog-app/ci-cd*

  Microservices CI/CD pipeline

  - Deployed Go services to GKE via GitHub Actions; used GAR and Workload Identity.
  - Incremental builds, Cloud SQL, auto-rollouts with zero downtime.

EDUCATION

- **Maharaja Agrasen Institute of Technology, GGSIPU** *2019 – 2023*

  B.Tech in Information Technology Delhi, India

  - CGPA: 7.76

- **Happy School** *2019*

  CBSE Senior Secondary Delhi, India

  - 12th: 7.8 CGPA 10th: 8.4 CGPA

CERTIFICATIONS

- **Google Cloud Associate Cloud Engineer** Google Cloud *2024*

INTERESTS

- Automating repetitive tasks with scripts and tools
- Building open-source solutions for real-world problems
- Strategy games: Chess (99.93 percentile on Chess.com), AOE2