

Shubham Vyas

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SUMMARY

Specialize in building and managing robust cloud infrastructure across AWS, GCP, and Azure. With deep expertise in Kubernetes, Linux systems, and PostgreSQL (including Query Optimization), I have a proven track record of not just maintaining systems, but significantly optimizing them for cost-efficiency. In fact, I frequently deliver infrastructure savings that substantially exceed my own **compensation**.

WORK EXPERIENCE

DevOps Engineer - [rdash.io](#)

rdash.io, Onsite Gurgaon

Jan 24 – Present

- Successfully transitioned Rdash's entire infrastructure from GCP to AWS, encompassing SQL databases, blob storage, and Kubernetes clusters.
- Configured AWS Managed Prometheus to limit metrics collection, reducing monitoring costs to zero, and utilized AWS Spot Instances for logging infrastructure, further minimizing cloud costs.
- Configured a self-hosted VPN using WireGuard and implemented ISO 27001 compliance measures, ensuring secure and standardized access.
- Designed and implemented comprehensive CI/CD and data pipelines for production and non-production environments using self-hosted GitHub Actions.
- Utilized Nginx for browser-side web content caching, significantly reducing latency and improving user experience.
- Deployed and maintained open-source tools such as n8n, Windmill, GlitchTip, and Airbyte to support development and debugging activities.
- Implemented request-based auto-scaling and zero-replica scaling using KEDA, reducing server costs in non-production environments.
- Built an event-driven system using the existing Django backend and n8n, creating a low-code automation platform that integrates Rdash with external systems. Enabled the product team to build custom workflows for clients, improving lead conversion through tailored automation.
- Designed and maintained a Django integration app to connect Rdash CRM with Facebook (Meta), streamlining social media interactions and enhancing CRM capabilities.
- Built an ETL pipeline utilizing Airbyte and custom Python scripts to transfer data from PostgreSQL to ClickHouse, enabling analytics dashboards in Metabase.

DevOps Engineer - [flobiz.in](#)

Flobiz.in, Onsite Bangalore

May 2023 – Dec 2023

- Successfully established and configured GKE and GCE Monitoring & Logging on Google Cloud Platform for comprehensive system monitoring and log management.
- Orchestrated the migration of services from GCP VM to GKE and Cloud Run, enhancing scalability and resource efficiency.
- Designed and implemented a robust CI/CD pipeline using Cloud Build and GitHub Actions, facilitating automated deployments on GKE and GCE environments.
- Leveraged ArgoCD to implement seamless rolling updates and rollbacks, ensuring continuous deployment with minimal disruption.
- Implemented Auto Scaling for various services, optimizing resource utilization and cost-effectiveness while maintaining high load tolerance.
- Implemented Kubernetes RBAC to manage access for diverse users and services, ensuring a secure and controlled environment.
- Successfully migrated Flobiz's Cloud SQL database from GCP to AWS RDS and later to AWS Aurora, minimizing downtime and ensuring data integrity.
- Led the migration of Flobiz's entire infrastructure to AWS, encompassing GCP VMs, Cloud Run, GKE, Cloud Storage, and MongoDB Atlas.
- Implemented a self-hosted logging solution for the entire infrastructure using Grafana Loki, resulting in a reduction in overall logging costs.

DevOps Consultant - [makerble.com](#)

Makerble.com, Remote

August 2022 – May 2023

- Successfully executed the migration of Production and other environments from Heroku to AWS, implementing 100% Terraform coverage for automated infrastructure provisioning in AWS.
- Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation using argocd and tekton along with Python and Shell scripts to automate routine jobs.
- Developed and maintained fully automated CI/CD pipelines for code deployment utilizing ArgoCD and Tekton, actively managing, improving, and monitoring cloud infrastructure on AWS, EC2, S3, and RDS, including responsibilities for backups, patches, and scaling.
- Achieved a remarkable cost reduction of approximately 70% by eliminating unnecessary servers, consolidating databases, and strategically utilizing spot instances.
- Provided comprehensive support for the infrastructure of Makerble, overseeing AWS EC2 instances, RDS databases, Elastic Load Balancers, S3 buckets, Cloudflare DNS records, and Cloudfront CDN distribution.
- Successfully deployed self-hosted variants of SaaS solutions such as Openreplay, Metabase, and Grafana, contributing to a more scalable and cost-effective infrastructure.
- Offered on-call support for production issues and assisted developers in troubleshooting and issue resolution.
- Utilized Docker to streamline environment setup for development and testing, enhancing efficiency and consistency across the team.
- Designed infrastructure and developed utilization reports, presenting findings to eight stakeholders and two senior managers, demonstrating a commitment to transparency and effective communication.

EDUCATION

Indian Institute of Information Technology (IIIT) Bhopal,

Bachelor of Technology, Information Technology

(Software Engineering, Computer Networks, DBMS, Operating Systems, Data Structure, and Algorithms)

SKILLS

Linux: Arch Linux, Ubuntu, Alpine, NixOS, Debian

Ci/Cd: ArgoCD, Argo Workflows, Tekton, Github Actions, Gitlab CI, Jenkins, CircleCi

Programming Languages: TypeScript, Python, Bash, Go

Databases: MongoDB, Postgres, ClickHouse, DuckDB, Redis

DevOps Stack: Linux, AWS, Nginx, Docker, Terraform, Grafana, Prometheus, Loki, Ansible, Kubernetes