

Shubham Vyas

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SUMMARY

Proficient in Linux Administration, Configuration Management, Continuous Integration, Continuous Deployment, Release Management, and database management. Demonstrated expertise in orchestrating and automating resource provisioning on major cloud platforms, including AWS, GCP, and Azure. Well-versed in the administration of diverse environments throughout the software development life cycle.

WORK EXPERIENCE

DevOps Engineer - [rdash.io](#)

rdash.io, Onsite Gurgaon

Jan 24 – Present

- Successfully migrated Rdash's entire infrastructure from Google Cloud Platform to AWS, including SQL databases, blob storage, and Kubernetes clusters.
- Implemented comprehensive logging and monitoring solutions using Grafana, Loki, AWS Managed Prometheus, and custom scripts.
- Set up a self-hosted VPN using WireGuard and implemented compliance measures to meet ISO 27001 standards.
- Leveraged ArgoCD to implement seamless rolling updates and rollbacks, ensuring continuous deployment with minimal disruption.
- Designed and deployed end-to-end CI/CD and data pipelines for production and non-production environments using GitHub Actions (self-hosted).
- Utilized Nginx to cache web content on users' browsers, significantly reducing latency and improving user experience.
- Self-hosted and maintained various open-source software such as n8n, Windmill, GlitchTip, and Airbyte to support development and debugging activities.
- Implemented request-based auto-scaling and zero-replica scaling using KEDA, optimizing server costs in non-production environments.

DevOps Engineer - [flobiz.in](#)

Flobiz.in, Onsite Bangalore

May 2023 – Jan 2024

- 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 Engineer - [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.

POSITIONS OF RESPONSIBILITY

GNU / LINUX Users Club

Core Team

2021 – 2022

- Encouraging students for Linux, Open Source and DevOps
- Organized events with 100+ participants

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

Kubernetes: Operator Pattern, Helm Configuration, Sidecar Pattern, Service mesh

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

Programming Languages: JavaScript, Python, Bash Scripting, Rust, Go

Databases: MongoDB, Postgres, Redis

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