

Deepak Kumar

📞 +91-9120088883 🌐 Bengaluru, Karnataka

✉️ apsdeepakkumar270501@gmail.com [linkedin.com/in/apsdeepak/](https://www.linkedin.com/in/apsdeepak/)

EDUCATION

Bachelor of Technology (Computer Science), Lovely Professional University

CGPA - 7.89

2019 - 2023

Jalandhar, Punjab

Senior Secondary School (Mathematics), Army Public School Nehru road

Score - 81.2%

2018 - 2019

Lucknow, Uttar-Pradesh

EXPERIENCE

Software Engineer I - DevOps

Sigtuple Technologies Pvt. Ltd.

Oct 2022 - Ongoing

Bengaluru, Karnataka

- Created a full-fledged, production-ready infrastructure for the “Anemia Mukt Bharat” & “Cyber-security audits” project on GCP, leveraging Docker, Kubernetes (GKE), Ansible playbooks, Docker Compose, Nginx, VM and node pool configuration, while managing multiple microservices, configuring DNS for each service, integrating Cloud Storage, and administering MongoDB and MySQL databases to enable efficient deployment, scalability, and reliable application management.
- Designed and implemented a CI/CD pipeline using Jenkins for continuous integration, Docker for building application images, and GCP Artifact Registry for secure image storage, enabling automated build, versioning, and deployment of containerized applications.
- Owned the release management process for both production and non-production environments, successfully delivering multiple releases with controlled rollouts, validation checks, and zero-downtime deployment strategies.
- Achieved 40% cost reduction on GCP through strategic resource scheduling and utilization limits.
- Successfully managed Kubernetes clusters, achieving an average resource utilization rate of 80%. Ensured 99.99% uptime for critical workloads, minimizing downtime and maintaining uninterrupted availability for end-users.
- Successfully managed services on product/devices through Docker Compose, optimizing resource allocation by 30%, simplifying deployment by 40%, and achieving a 25% decrease in service-related incidents.
- Effectively scheduled cluster node size and VM instances to automatically downscale after 10 pm and start them at 9 am on weekdays for non-production projects, leading to a 50% reduction in cloud infrastructure costs during off-peak hours.
- Proactively resolved production-level DevOps issues across networking, IAM permissions, Kubernetes pods, services, nodes, CI/CD pipelines, and database connectivity, ensuring high system reliability, faster incident resolution, and minimal downtime.
- Successfully designed and implemented a robust continuous integration (CI) pipeline using CircleCI, resulting in a 50% reduction in build and deployment time.
- Technologies used - Docker, Google Kubernetes Engine, Google Cloud Platform (GCP), Jenkins, Ansible, Docker-Compose, containerization, GitOps, Continuous Integration and Continuous Deployment (CI/CD), Configuration-management, Yaml, Git, Linux, Python, Cloud Cost-optimisation, Infrastructure as code (IaC), BASH, Cloud Storage & Databases, Secrets Management, Monitoring, Google-analytics (GA-4)

Certifications

- DevOps MasterClass - GIT Docker Jenkins Kubernetes Terraform - Udemy - Ongoing
- Modern big Data Analysis with SQL specialization
- Programming Using c++ (CipherSchools)
- Python for Everyday Specialization

TECHNICAL SKILLS

Languages: C, C++, Python, HTML/CSS, Javascript, bash scripting

Tools : Docker, Docker-Compose, Google Kubernetes Engine (GKE), Google Cloud Platform(GCP), Jenkins, Ansible, Helm, GitHub Actions, Playbooks, Containerization, Service Mesh: Istio

Cloud Networking: VPC DNS, Subnet, firewall rules, Cloud-Security Interconnect, VPN

Database Management: MySQL, MongoDB

Development Methodology : Agile, Waterfall, DevOps , Event Driven Architecture, CI/CD, DDD, TDD,

Networking : Nginx

Security: SSL/TLS Certificate Management

Miscellaneous: Linux, Unix, Git, Tableau, Microsoft Excel, Jira, Confluence, Slack

ACHIEVEMENTS

- Remediated cloud infrastructure vulnerabilities flagged in an external security audit, strengthening product security and compliance