

# Vivek Kumar

## Principal DevSecOps Engineer

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Github - <https://github.com/vivekyad4v>

StackOverflow - <https://stackoverflow.com/users/3802507/vivekyad4v>

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### Overview

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- 10+ years of experience in DevOps / SRE / Cloud / Platform Engineering.

- Majorly working on cloud computing, cloud(available, scalable & secure) architecture, Infrastructure management, AWS cloud, container orchestration, Serverless frameworks, CI/CD, security, cost optimization, logging, monitoring, incident management.

- Objective of bringing Dev & Operations team together, put in a lot of automation, standards and best practices for continual business growth without much friction.

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### Skills

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**AWS Cloud** - VPC, EC2, IAM, RDS, DMS, EC, ALB, ASG, ES, Cognito, SSO, S3, Cloudfront, EFS, ECS, ECR, Elasticbeanstalk, Route53, SES, SNS, SQS, Data pipeline, EKS, Lambda, Cloudwatch, WAF, Guarduty, Config, DynamoDB, Redshift, SFTP, API Gateway, SSM, Parameter store, Secrets manager, CodePipeline, Organizations, AWS MSK/Kafka, VPC Transit gateways, Security hub, Macie, Network firewall, Identity center, Client VPN, inspector, trusted advisor, config.

**SCM** - Bitbucket, Github

**Languages** - Bash, Golang, Python

**Infrastructure As Code** - Terraform, Cloudformation, Terraform Cloud

**Containerization** - Docker Engine|Compose|Swarm.

**Orchestration** - AWS ECS, AWS EKS, Kubernetes, Docker Swarm.

**CICD** - CodePipeline, Jenkins, TravisCI, Github actions, Bitbucket pipelines, ArgoCD, GitOps.

**Monitoring & Logging** - NewRelic, Logentries, ELK, Grafana, Prometheus, AWS Cloudwatch, SNS, PGanalyze, Slack, Squadcast/Pagerduty, Datadog, Coralogix.

**Serverless** - AWS Lambda, AWS API Gateway, AWS Cloudwatch, Golang, AWS SAM, SNS.

**Security** - SOC2, PCI, Pingsafe, Cloudflare Zero trust, 1password, AWS KMS, Vanta, Firewalls.

**IDP** - OKTA, AWS Identity center, OIDC.

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## Certifications



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## Experience

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### Kodo / Principal DevSecOps Engineer

September 2022 - Present, BANGALORE

- Managing & maintaining AWS cloud, highly available & scalable cloud architecture, Infrastructure automation & management, AWS cloud, container orchestration(ECS/EKS), Serverless frameworks, CICD, security, cost optimization, logging, monitoring & compliances.
- Managing application platform on EKS with API gateways, logging, monitoring, cloud controllers, custom controllers, CICD, authentication(IAM/IRSA) using Terraform, Helm & Kubectl.
- Following infra as code and GitOps principles.
- Focusing a lot more on security & compliances - Cloudflare, Cloudflare Zero Trust, IDS/IPS, Firewalls, SOC2 compliance, PCI compliance, 1password, AWS KMS, Vanta.

### BYJU's / DevOps Lead

October 2021 - Present, BANGALORE

- Managing a team focussed technically towards cloud computing, highly available & scalable cloud architecture, Infrastructure management, AWS cloud, container orchestration, Serverless frameworks, CICD, security, cost optimization, logging, monitoring.

## **Happay / DevSecOps Lead**

October 2017 - October 2021, BANGALORE

- Managing applications hosted on AWS for Deployments, Analytics, Databases, Monitoring, Integrations etc.
- Worked on Data Migration & Analytical projects.
- Worked on security aspects for SOC2 & PCI compliances.
- Containerization and Microservices.

## **HashedIn Technologies / DevOps Engineer**

June 2016 - October 2017, BANGALORE

- Managing applications hosted on AWS for Deployments, Analytics, Databases, Monitoring, Integrations etc.
- Worked on Containerizing most of the applications.
- Used Docker Swarm for Orchestration in a Data centre environment.
- Jenkins job as code (pipelines).

## **NTT Data / Senior System Administrator Associate**

June 2015 - June 2016, BANGALORE

- Worked on HAProxy, F5 & A10(managed) load balancers.
- Worked on GlusterFS, AFS, NFA filesystems.
- Managed Kerberos and Bind DNS servers.
- Supported customer applications on Apache Tomcat.

## **RayMn & BR Technologies / Linux Administrator**

July 2013 - May 2015, Lucknow

- Managed clients VPS in different hostings.
- Managed applications on LAMP, CPanel, WHM, Webmin, Virtualmin.
- Managed Squid proxy server.
- Configured OpenLDAP, NFS, PAM.
- Configured Nagios, Zabbix, NRPE, Monit, Observium for monitoring purposes.
- Configuring Kickstart, PXE/NetBoot, DHCP, NFS, TFTP, Samba & VNC servers.

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## **Education**

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### **AKTU / B.Tech (Computer Science) / 70%**

2009 - 2013, LUCKNOW

### **Kendriya Vidyalaya / Higher Secondary School / 79%**

2009, PUNJAB

### **Kendriya Vidyalaya / Secondary School / 75%**

2007, PUNJAB

