

# Resume

## Devops with 8+ years of experience in IT

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## Objective

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DevOps Engineer with 8+ years of experience including php development seeking a challenging role to leverage my expertise in AWS, Kubernetes, Docker, Terraform, Git, Linux, Shell scripting and Python scripting, designing robust scalable and secure architectures, deployment with Ci/Cd pipelines and providing troubleshooting solutions.

## Summary

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- Interfaced with Application Architect, developers, and technical support teams to determine best Cloud Solution architecture for the applications.
- Worked on designing Infra and deploying applications utilizing the AWS Stack (EC2, VPC, and Route 53 service, IAM, Cloud Watch, ELB, SNS,WAF, Opensearch and EFS) with focus on high-availability, scalability and fault-tolerance.
- Enthusiastically managed sprint activities, including the team members.
- Manage project timelines and workload for the DevOps team.
- Implement DevOps technologies and processes i.e. containerization, CI/CD with Jenkins and ArgoCD, implement Blue/green Deployment system , infrastructure as code with terraform, metrics, monitoring etc.
- Develop and contribute to several infrastructure improvement projects around performance, security, autoscaling, and cost-optimization.
- Coordinate with Development teams to ensure timely delivery of features and improvements into multiple environments.
- Engage with development teams to document and implement best practices for our existing and new products.
- Worked on various project management tools like Jira, Azure-Dev.
- Developing best practices for improving DevOps practices in a team and improving security from the infrastructure side.
- Experience with Elastic search and Kibana.
- Define and deploy monitoring, metrics, and logging systems on AWS Cloudwatch, Prometheus for enhanced infrastructure monitoring and Grafana for visualization and Loki for Log aggregation.
- Experience in Repository Management tools like BitBucket and Github.
- Experience with container-based deployments using Docker, Kubernetes using AWS EKS with Helm charts, working with Docker images, Docker registry on cloud.
- Cost estimation to transfer workload to cloud.
- Familiar with WAF implementation for application security from bots and DDOS attacks.

- Implement systems that are highly available, scalable, and self-healing on the cloud platform.
- Implement and automate security controls, governance processes, and compliance validation.
- Deploy, manage, and operate scalable, highly available, and fault-tolerant systems on the cloud.

## Skill Summary

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- **Operating System (s):** Linux, Windows
- **Scripting Language (s):** Bash, Python
- **Programming language (s) :** PHP, HTML, CSS, JavaScript
- **AWS Services:** EC2, S3, ELB, Auto Scaling, VPC,RDS, Opensearch, CloudWatch, Lambda, IAM, Route53
- **CI/CD:** Jenkins, ArgoCD
- **VCS:** GIT, Bitbucket, Github
- **Database:** MySQL, Postgres, MongoDB
- **Containerization and Microservices:** Docker, Kubernetes (with Helm charts).

## Projects

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### IAMPlus - Electronics

( 24 Months )

Responsibilities:

Managing the team to implement following tasks:

- Managing Tasks and tickets on Azure-DevOps
- User management and IAM Roles
- Review PR on GitHub
- Implementation of Keycloak as SSO on services
- Reporting to client for the tasks and plans
- Designing of Highly available and scalable infrastructure
- Solution to centralized Multiple Environments using terragrunt
- Implementing CI/CD pipeline through Jenkins and ArgoCD
- Solution to Data pipeline using Kafka
- Implementing Infrastructure monitoring using Prometheus, Loki and Grafana
- Implementing Alerting with Alertmanager
- Implemented microservice architecture for application component using EKS and Aws managed services
- Deployed various support services such as Sonarqube, postgres, mongoDB, ELK, Redis, kafka in EKS cluster for cost optimization
- Automated Solution for snapshots and backup using Python Script
- Managed S3 using boto3

IAF

( 18 Months )

Responsibilities:

Managing the team to implement following tasks:

- Managing pre-existing RDS, Load balancer, Route53, WAF
- Implementing certificates through ACM
- Implementing CI/CD pipeline through Jenkins
- Implemented AWS Lambda function to invalidate cloudfront cache whenever pipeline is triggered.
- Implementing WAF for security
- Implementing RDS authentication using IAM role
- Implementing Infrastructure monitoring using Prometheus, Loki and Grafana
- Implemented microservice architecture for one of the key application component using Docker and AWS ECS

### **Katz Deli**

**( 10 Months )**

Responsibilities:

Managing the team to implement following tasks:

- Creating architecture for application
- Migrating application from old architecture to new architecture
- Implementing RDS, Load balancer, Route53, WAF
- Implementing certificates through ACM
- Implementing CI/CD pipeline through Jenkins.
- Implemented Apache Kafka for real-time data feeding.
- Implementing WAF for security
- Enabling Security Hub and Guarduty.
- Optimizing performance and cost upto 50%
- Implementing Monitoring with Prometheus and Grafana

### **Stanza Living**

**( 10 Months )**

Responsibilities:

- Migration of Services from stand alone EC2 to EKS.
- Setting up Jenkins CI/CD Pipeline for EKS.
- Monitoring of the servers using Prometheus and Grafana.
- Log Monitoring of services using Elasticsearch, Logstash, Kibana, along with Kafka for queuing of logs.
- Using cluster-autoscaler to autoscale the nodes in EKS cluster.
- Using TargetGroupBinding to bind EKS pods to existing Application Load Balancer.

### **Zerosquarefoot**

**( 12 Month)**

Responsibilities:

- Worked on IAM users
- Automated CI/CD pipeline.
- Implemented RDS proxy for better connection pooling.
- Implemented New Relic for application and infrastructure monitoring

- Implemented Terraform as IaC.

## Work Experience

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### Unthinkable Solutions

( Sep 2021 - Till Date )

#### Sr. Associate IT - DevOps

##### Responsibilities:

- Managing the team to implement various tasks
- Managing tickets on Azure-DevOps
- User management and IAM Roles
- Review PR on GitHub
- Implementation of Keycloak as SSO on services
- Reporting to client for the tasks and plans
- Designing of Highly available and scalable infrastructure that ensure high availability and reliability by creating disaster recovery plans.
- Providing architecture solutions and migrating applications from old architecture to new architecture.
- Solution to centralized Multiple Environments using terragrunt and terraform
- Implementing WAF, Security Hub and Guarduty for security.
- conducted regular security audits, vulnerability assessments and implemented security best practices
- Implementing CI/CD pipeline through Jenkins and ArgoCD
- Solution to Data pipeline using Kafka
- Implementing Infrastructure monitoring using Prometheus, Loki and Grafana.
- Implementing Alerting with Alertmanager.
- Implemented microservice architecture for application components using Kubernetes on EKS and Aws managed services.
- Deployed various support services such as Sonarqube, postgres, mongoDB, ELK, Redis, kafka in EKS cluster for cost optimization
- managed RDS for SQL and MongoDB for NoSQL databases, optimizing performance and ensuring data consistency
- Automated Solution for snapshots and backup using Python Script
- Managed AWS services such as S3 using boto3

### Pratibha Total IT Solutions

( Nov 2017 - Sep 2021 )

#### Sr. PHP developer

##### Responsibilities:

- Led a team for developers in successful delivery of projects.
- Developed and maintained PHP web applications using Opencart, CodeIgniter and Laravel frameworks for various projects such as e-commerce, inventory management portals, Astrology platform, Education Industry, Automobile online store etc.
- worked on Rest APIs.

- Designed and developed various reusable modules for the web applications.
- Bug fixes and troubleshooting of the critical issues.
- Managing and configuring Apache and Nginx servers
- Configuring ssl on the web servers
- Domain and web server management.
- Designed and implemented database schemas, optimized SQL queries, and ensure data integrity
- Review PR on GitHub and mentored junior developers.
- Dockerized applications and implemented ci with jenkins.
- implemented performance optimizations and reduced page load times for the web applications.
- Actively contributed to team discussions and knowledge sharing sessions.
- Collaborated with clients to gather requirements and provide technical solutions.

## **RSV Communications**

**( June 2015 - Sep 2017 )**

### **Jr. php developer**

#### **Responsibilities:**

- Developed and maintained core PHP applications including feature enhancements and bug fixes.
- Assisted in the development of PHP web applications with HTML, CSS and JavaScript
- managing and maintaining Mysql database writing queries to write business logics.
- Assisted in the creation of custom modules and extensions.
- implemented Apis and integrated payment gateways with the web applications.

## **Education**

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B.Tech in Computer Science & Engineering from Maharishi Dayanand University, Rohtak (2013)