

Riya Sharma

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PROFILE SUMMARY

- A dynamic professional with hands-on experience in supporting, automating, and optimizing mission-critical deployment in AWS leveraging configuration management, CI/CD, and DevOps processes.
- Experience in Public cloud (AWS) & DevOps, SecOps, and IAC processes and procedures.

KEY SKILLS

- Microservice and API-led architecture and integration design tools, techniques, and best practices.
- Competent in UNIX/Linux, Networking, Database, Load Balancing, Firewalls, Messaging, and Storage.
- Experienced in designing highly available, fault-tolerant, and cost-optimized AWS cloud infrastructure.
- Hands-on experience in AWS provisioning and good knowledge of AWS services.
- Monitor, build, and deploy software releases and provide support for production deployments.
- Participated in Solution Definition, Functional and Technical Design documents like HLD/LLD, & AV
- Extensive experience in troubleshooting issues in production deployments
- Extensive experience in Monitoring and logging deployments with CloudWatch, CloudTrail, Prometheus & Grafana
- Extensive Automation experience using Python and Bash Programming

TECHNICAL SKILLS

- DevOps Technologies: Jenkins CICD, AWS Code pipeline, AWS Code Build, Git, Apache, Nginx, Docker, ECS, EKS, ECR, Kubernetes, Terraform (IAC)
- AWS Technologies: EC2, S3, ECS, EKS, Route53, RDS, Workspaces, SQS, SNS, Load Balancing, Auto Scaling, CloudWatch, Lambda, CloudFront, WAF, AWS Organisations.
- SecOps Technologies: Docker Container Security, SonarQube (SAST), SNYK Tool, OWASP Dependency Check
- Unix, Linux, Windows
- Languages / Databases: Python, Shell Scripting, YAML, Elasticsearch (ELK Stack), Prometheus & Grafana
- Other Technologies: Application Architecture, Disaster Recovery, Backup & Restore, Security, Agile

CAREER HISTORY

Past Employer: Solytics Partners (<https://solytics-partners.com/>)

Since Oct 2021 – Jul 2023

DevOps Engineer

PROJECTS

SAMS (company product): DevOps Engineer

Since Oct 2021

Clients are multiple banks in the United States and India.

- Contribution:
 - Participated in **High and low-level infrastructure Design** to host on AWS Cloud
 - Designed and managed **microservices-based containerized** architecture
 - Extensive **Python** development experience in **automating** server scheduling for **cost optimization**
 - Implemented Django **CloudWatch** logging for Log Segregation
 - Design and build a Kubernetes environment using **AWS Kubernetes (EKS) and Elastic Container Registry (ECR)**
 - Implement CI/CD using **AWS Code pipeline** for deploying the multi-container application to **AWS ECS Fargate&EKS**
 - Decrease Build and Release time by **75% using AWS Code Build**
 - Created and Deployed **Elasticsearch multi-node cluster** for Sanction and AMS Data

- Implemented **Terraform** as an **Infrastructure as a code** tool to provision the production environment
- Agile Project management using **AWS DevOps**
- Created new **IAM** users and groups, defined roles and policies based on LVP, and identified providers

ATOMS (company product): DevOps Engineer

Since Aug 2022

Clients are multiple banks in the UAE.

- Contribution:
 - Designed and managed **microservices-based** containerized architecture
 - Containerized microservice-based application using **Docker Container** in the on-prem environment
 - Created and Deployed **ELK** stack for real-time **Django** application **monitoring**
 - Implemented **SYNK** tool for the **security vulnerabilities** in the code and **Dockerfile**
 - Implemented CI/CD using **Jenkins Pipeline** for deploying the containerized application
 - Implemented and Integrated **SonarQube with Jenkins Pipeline** for **static code analysis (SAST)**
 - Created **custom quality gate** and **quality profile** to ensure the code standards are met and regulated in projects
 - Producing detailed Deployment **Architecture diagrams**
 - Implemented **Prometheus and Grafana** for containerized applications and server monitoring

Present Employer: Ernst & Young (https://www.ey.com/en_in)

Since Jul 2023 - Present

Technology Consultant

PROJECTS

Clients are multiple banks in the United States.

- Contribution:
 - Leveraged **Wiz** cloud security modules **Runtime sensor, Attack path analysis, Data security posture management (DSPM), and File integrity monitoring (FIM)** for **threat detection and response**.
 - Utilized the **Prisma Cloud Workload Protection (CWPP)** module to identify threats in various cloud platforms.
 - Investigated **AWS cloud threats**, and formulated recommendations, and remediation strategies.
 - Developed **Wiz threat detection** playbooks for AWS cloud, conducting knowledge transfer sessions.
 - Contributed to **Information Security Governance (ISG)**, reviewing third-party SaaS application risk assessments.
 - Reviewed **Secure SDLC** processes for **third-party SaaS applications**, identifying risks, providing **mitigation strategies**, and granting production approval.

CERTIFICATES

- AWS CERTIFIED SOLUTION ARCHITECT – ASSOCIATE [view](#)
- HASHICORP CERTIFIED TERRAFORM – ASSOCIATE (002) [view](#)
- RED HAT CERTIFIED SYSTEM ADMINISTRATOR (RHCSA) [view](#)

PROFILES

[Website](#)

[LinkedIn](#)

[Blog](#)

EDUCATION 2018 - 2022

BTech Computer Science Engineering – Lovely Professional University, Jalandhar, India.

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