

Atul Kumar

Digital Specialist Engineer, Infosys, Bengaluru

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As a highly skilled DevSecOps and Cloud Engineer with 5 years of work experience, I have successfully delivered various applications and solutions utilizing cutting-edge technologies and programming languages. I have expert knowledge in implementing cost effective streamlined deployment, cutting errors by 50% and reducing cycle times by 65%. I am passionate about staying current in the fast-paced software industry and am constantly upgrading my skills to meet new demands. In addition, I am a dedicated team player known for my strong work ethic.

EXPERIENCE

Infosys Client : Progressive Leasing(USA)

December 2023 to Present

DevSecOps Engineer

The existing Jenkins Bitbucket webhook pipeline, currently linked to an on-premises IIS server, is undergoing migration to CircleCI, followed by integration with Octopus Deploy, further transitioning to ArgoCD, and ultimately leveraging AWS cloud infrastructure.

- DevSecOps project employs **Bitbucket** for version control.
- **ServiceNow** for Information Technology Service Management.
- **CircleCI** and **Jenkins** for CI/CD.
- **Octopus Deploy** for deployment automation.
- **Azure DevOps** for agile planning.
- **ArgoCD** for GitOps.
- **AWS EKS** for Kubernetes orchestration.

Infosys DevSecOps Platform, Infosys

March 2022 to November 2023

Digital Specialist Engineer

- **Infosys DevSecOps Platform(IDP)** as a AWS DevSecOps Engineer: Collaborated closely with development teams to integrate automated into CI/CD pipelines, ensuring early detection of performance and reliability issues.
- Led a team of 5 Developer and DevOps Engineers to implement a Kubernetes-based production scale platform which increased cluster utilization by 40%.
- Instituted robust, secure CI/CD pipelines which streamlined deployment, cutting errors by 50% and reducing cycle times by 65%.
- Administered the transformation of tech stack from monolith to microfronted, increasing deployment frequency by 60%.
- Managed cloud budget resulting in 25% lower cloud costs without service degradation.
- Mentored team of engineers leading to their advancement within team roles and increased productivity.

Code Store And Service Store , Infosys

01-July-2019 to 02-March-2022

SES Cloud-Devops Engineer

- **CI/CD:** Creating a pipeline using Jenkins tools with the help of a Groovy script.
- **Monitoring and Logging:** Defined and Deployed monitoring, metrics and log systems on AWS.
- **Identity and Access Management:** Collaborated with the security division to design and manage IAM roles for users, vendors and third-party entities.
- **Infrastructure Planning and Implementation:** Worked on planning, implementing and scaling infrastructure on AWS.
- **Storage Services:** Configured storage services such as S3.
- **DNS Configuration:** Managed DNS services, including Route 53 by creating records and configuring routing policies.
- **Cross Functional Collaboration:** worked collaboratively with software developers, security experts and other clients to design and build application within AWS.

EXPERIENCE AND EXPERTISE : AWS DEVSECOPS

- **Automation:** Terraform, CloudFormation.
- **CI/CD:** Jenkins, CircleCi, Octopus deploy, Code commit, Code Build, Code Deploy.

- **Version Control:** Git, BitBucket
- **Monitoring:** Prometheus, Grafana, Cloud Watch.
- **Systems :** Linux, Windows, MacOS.
- **Container and Container Orchestration :** Docker, Kubernetes, EKS.
- **Programming & Scripting:** Python, PowerShell.
- **Computing Services:** EC2, Autoscaling, Lambda.
- **Storage Services:** S3,EBS, EFS,AWS Backup.
- **Network Services :** VPC, Route53, API Gateway, VPC IP Address manager.
- **Management Services:** AWS Organization, Cloud Trail,AWS Config.
- **Security & Identity:** SAST, DAST, SonarQube, Checkmarx, IAM, KMS, SHIELD, Certificate Manager, Secrets Manager, Detective, Guard duty, Inspector, Firewall Manager.
- **Application & Dev.:** SQS, SNS.

EDUCATION

B.Tech in Computer Science and Engineering from Haldia Institute of Technology 2015 - 2019

DGPA : 7.54

Intermediate from Rajo Singh College,B.S.E.B. 2013-2015

Secured: 64.4%

Matriculation from Kisan High School, B.S.E.B. 2013

Secured: 67%

PROJECTS

- Developed an open-source container orchestration tool, Automated AWS compliance checks using Python and Boto3 .
- Movie Recommendations System Developed by Machine Learning with Python,2019.
- Website data is fetching with the help of webscrapping organized by internshala 2018.

OTHERS

- Certifications:
 - Microsoft Certified: Azure AI Engineer Associate
 - AWS Certified Cloud Practitioner.
 - Google Cloud Certified - Professional Cloud DevOps Engineer.
 - Google Cloud Certified - Professional Cloud Developer.
 - Google Cloud Certified - Associate Cloud Engineer.
 - Google Cloud Certified - Cloud Digital Leader.
 - Infosys Certified AWS Cloud Practitioner.
 - Infosys Certified Google Cloud Digital Leader.
 - Infosys Certified Quality Certified Engineer.
 - Infosys Certified in Agile.
 - Machine Learning(Basic) with Python.
 - Cloud Computing NPTEL,2018.
- Achievements: Qualified for Hackwithinfy competition conducted by Infosys in 2019.
- Infosys DevSecOps Platform Best in Class Product .
- Leadership & Volunteering: Chair of the local AWS User Group, Volunteer mentor for DevOps.