

# Aahna Gour

## DevOps Automation Engineer



<https://www.linkedin.com/in/aahna-gour-0382b5131>



[aahi7427@gmail.com](mailto:aahi7427@gmail.com)



: +91 9584109857

### PROFESSIONAL SYNOPSIS

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A competent IT professional with over 5 plus years of experience as a DevOps Engineer and has substantial experience in DevOps, Automation and Development.

Pursuing career in IT sector, with focus on performance, optimization, and technical improvements with an understanding of cost-effectiveness & decision-making ability in IT industry. Passionate about DevOps and experienced in designing and developing the required functionality with Agile methodology.

### CORE COMPETENCIES

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- **Certifications:** Infosys Certified DevOps Professional, AWS Cloud Practitioner, Automation, Docker, Python, GitHub, Jenkins, Linux, Kubernetes, AWS Services
- **Logging & Monitoring:** Jira, Prometheus, Grafana, Nagios
- **Cloud:** AWS
- **Database:** SQL basic
- **CI & CD:** Jenkins, DevOps, GitHub Actions, Snyk
- **Scripting & Provisioning:** Python, Linux commands, Groovy, Terraform, Helm
- **Version Control:** GIT, Bitbucket
- **Repositories:** JFrog Artifactory, GitHub, Nexus
- Error/Exception handling and debugging using python scripting.
- Received Award for “Excellent work in AUTOMATION” in Capgemini.
- AWS Services handling using AWS Console and Command Line Interface
- Comfortable communicating and collaborating with team members across different time zones.
- Excellent analytical, interpersonal skill, with ability to work in fast-paced environments and deliver quality output. Capable of handling responsibilities independently as well as a proactive team member.

### EDUCATIONAL QUALIFICATIONS

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**BE, Electrical and Electronics Engineering**

SIRT, Bhopal (India)

**June 2013 – July 2017**

CGPA – 7.77

**ME, Power System**

Bhopal (India)

**June 2017 – July 2019** UIT RGPV,

CGPA – 8.4

## ORGANIZATIONAL EXPERIENCE

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**DevOps Automation Engineer (Sr. Associate Consultant)**  
**Infosys, India**

**Duration:**  
**March 21 - Present**

**Responsibilities:**

- Working as a DevOps Automation Engineer, worked for multiple clients including Cisco, Liberty Global. In Cisco worked on several projects which includes Matrix, CDAF, CDT, uBot.
- Design, build and maintain scalable and secure infrastructure on cloud platforms.
- Develop and maintain infrastructure code using Terraform to provision and manage cloud resources (AWS), cluster creation, EKS cluster upgrades, etc.
- Jenkins pipeline script to setup infrastructure by building terragrunt modules.
- Microservices deployment using Jenkins Pipeline script. Helm charts, groovy scripts for configuration details utilized in setting up the infrastructure and deployment process.
- Maintain and build CI/CD pipelines. Building pipelines for microservices deployment and infra maintenance.
- Performing RDS Database backup, creating AWS secrets, terminate AWS nodes, managing secrets, running checks using Jenkins pipelines.
- IAM user creation/handling and other AWS services deployment and management using AWS console and using CI/CD pipelines.
- Involved in the Lab, Infra and Production release being part of the DevOps team. Working with development, QA and support teams in troubleshooting environment and other issues.
- Manage containerized application and orchestrate containers using Kubernetes, tasks involved, deployment, scaling and updating services using YAML files.
- Build pipeline to test the applications status, check the test suite, run them, get the information in output. Handling with global variables, building stages, accessing to the remote VM via Python script, getting application response codes, checking status, parsing JSON data and using it, uploading test suites, payloads and fixtures data into application, sending mails using script And other Jenkins administrative tasks. Uploading data/output to Artifactory.
- Integrate Terraform into CI/CD pipelines (Jenkins) to automate testing and deployment processes. Sharing pipeline status reports through mails.
- AWS Services utilized, IAM, S3, EC2, EKS, VPC, and CloudWatch. Have knowledge of other services.
- Containerize applications using docker. Develop automation scripts and use test automation framework for testing purpose.
- Collaborate with cross-functional teams to design and architect infrastructure solutions to meet application and business requirements.
- Setup infrastructure monitoring and logging tools to track resource utilization and system health.
- Maintain documentation, running Daily sync-up calls, sending WSR, managing teamwork. Handling JIRA Tickets (incidents).
- Provide technical guidance and mentorship to team members. When provided with an objective to improve performance in IT operations, develop and implement action plans needed to effect the change.

**DevOps Automation Engineer (Software Engineer)**  
**Capgemini, India**

**Duration:**  
**Oct' 18 – March 21**

**Responsibilities:**

- Working as an DevOps Automation Engineer, worked for multiple clients including Banking Client Discover.
- Developing and maintaining CI/CD pipeline for code deployment using Jenkins, creating & building Jenkins pipeline.
- Automation using Python and PowerShell.

- Automation of multiple tasks implementation of scripts to automate the health checks of servers, to handle processes, get disk information and maintain server health, file/ folder information.
- Creating Automation test cases & performing testing using Selenium concepts, Python, handling JSON data and checking and maintaining continuous integration and deployment with Jenkins.
- MobaXterm used for multiple server logging and for remote computing.
- Automating delivery pipeline using Jenkins. Creating plans and setting up Continuous Integration and builds using Jenkins.
- Automated reports in Excel formats. Automation of web application. Used Pytest and selenium concepts for automation testing.
- Automation of daily manual tasks; used Python and Selenium concepts. Triggered using Jenkins and Bat file desktop shortcuts.
- Creation of scripts to automate manual tasks ensuring elimination of human errors and less execution time.
- Collaborate and add value through participation in peer reviews, provide comments and suggestions, and work with team to achieve goals.
- Adopt a Fast Work mindset using Agile to support Business data and analytics projects.

## **CERTIFICATIONS AND TRAININGS**

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- Infosys Certified DevOps Professional
- Automation Engineer Practitioner Level Certification
- Google IT Automation with Python
- AWS Cloud Practitioner Certification
- Git for Developers using GitHub
- Jenkins: Automating delivery pipeline
- Introduction to Ansible: The fundamentals
- Introduction to Docker
- Azure Fundamentals – AZ 900
- Completed foundation level program in AUTOMATION Engineering
- SQL Server: Database fundamentals
- Technical essentials in Windows and Linux

## **PERSONAL QUALITIES**

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- Team work & Collaboration
- Management skills
- Adaptability
- Interpersonal skills
- Communication skills

**Hope to hear from you soon!**