

# PROFILE



## RENU SINGLA

DevOps Engineer

### CONTACT

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Location: Noida

### EDUCATION

B. TECH (CSE) – 81%

HSC 2016 – 90%

SSC 2014 – 94%

### SKILLS

- GIT
- Docker
- Linux
- Kubernetes
- Terraform
- Jenkins
- Ansible
- CI/CD
- Automation Testing
- Core Java
- Maven
- Python
- Agile

- Strong DevOps Engineer with **2+ years** of experience in application configuration, code compilation, **packaging, building, automating**, managing, and **releasing** code from one environment to other and **deploying** to servers. Primarily focused on technologies related to **containerization** and **Amazon Web Services**
- Hands on experience with **Docker**, building Docker files and images, establishing **Docker image** repositories.
- Good knowledge on **AWS services** like: VPC, EC2, EBS, EKS, NAT gateway, AWS firewall (NACL & security groups), S3, routing table, IAM, ELB, VPC peering, RDS, AWS Lambda, DynamoDB, CloudWatch, route53 etc.
- Good knowledge to automate infrastructure provisioning and configuration management using tools like **terraform, Ansible**.
- Good expertise of deploy app on **Kubernetes** using EKS service of AWS, manage containerized applications efficiently.
- Exposure to **Agile/Scrum** methodology and experience with full **SDLC** including design, **testing** and **deployment**.
- Knowledge to develop, **deploy** and manage applications with **Kubernetes** with **Helm Charts**.
- Design, develop, maintain, monitor, and troubleshoot **Kubernetes clusters** and applications.
- Design and implement **CI/CD pipelines** for Kubernetes applications.
- Observability and **monitoring tools** used for Infrastructure & app monitoring is PRTG & DataDog.
- Use of **Terraform** for defining infrastructure configuration files and to create environments.

### PROFESSIONAL EXPERIENCE:

**Company:** Capgemini  
**Project:** BUPA  
**Domain:** Health Insurance  
**Designation:** Senior Software Engineer  
**Duration:** Nov 2021 - present

## TECHNOLOGIES/TOOLS

- AWS
- GitHub
- Azure DevOps
- Jira
- POSTMAN
- Visual Studio
- Eclipse

## CERTIFICATIONS

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- Python certificate
- Linux for Cloud & DevOps Engineer (Udemy)
- Automation Engineer Practitioner Certificate
- Ocean QA Automation Engineer **Level 1** certificate.
- Android
- Core Java
- DevOps Project1 - CI/CD with Git Jenkins Ansible and Kubernetes (Udemy)

## WORK HISTORY:

### Assignment:

- Used **Jenkins** to automate **build** and deployment that reduced human error and speed up production processes.
- Manage and maintain **version control systems** like **Git** to ensure code and configuration changes are tracked and documented.
- Hands-on experience with container and container **orchestration** technologies such as Docker or **Kubernetes**. Be able to create and publish our own container images and deploy with docker.
- Implement and manage **CI/CD** pipelines for software applications to **automate building, testing** and **deployment** processes.
- Created complete automated CI/CD pipeline with Jenkins, deploy application on Kubernetes using **EKS AWS services** with the help of **Ansible** using docker to create docker image of application and build app with maven and generating artifacts and uploaded them over ansible server.
- Use **Terraform** to write **Infrastructure as code** and created Terraform scripts for EC2 instances, Elastic load balancers and S3 buckets.
- Worked on Container Orchestration tools like Docker and Kubernetes, in-order to build **docker image** from docker files and run the containers in the docker engine, whereas these **clusters** are securely managed by Kubernetes.