

# ABHIRAJ RODE

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## OBJECTIVE

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Aspiring Cloud Devops Engineer.

## EXPERIENCE

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### AWS Cloud Intern

Feb 2024 - April 2024

DevSkillHub Training And Consultancy

*Bengaluru, India*

- Gained hands-on experience in provisioning and configuring EC2 instances, S3 bucket management, IAM user and role setup, and VPC networking.
- Developed automation skills using AWS Lambda and CloudFormation, performed monitoring and logging with CloudWatch
- Configured secure database instances in RDS. Strengthened understanding of AWS security best practices, network architecture, and resource optimization.

## PROJECTS

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### DevOpsified Project -

Designed and implemented an end-to-end DevOps pipeline for a NEXT.js application.

Containerized the application using multi-stage Docker builds for optimized image size.

Developed Kubernetes manifests for seamless deployment and scaling.

Created and configured Helm charts to manage deployments across multiple environments.

Automated Continuous Integration workflows using GitHub Actions.

Implemented Continuous Delivery with Argo CD, enabling automated deployment to Kubernetes clusters.

Set up and configured an ingress controller for application exposure and DNS mapping to a custom domain.

Delivered a comprehensive CI/CD demonstration showcasing robust automation and deployment strategies.

### MERN application Containerization -

Designed and implemented the containerization of a full-stack MERN application using Docker and Docker Compose.

Created Dockerfiles for each service (frontend, backend, and database) to ensure isolated environments.

Configured Docker networks for communication between services.

Implemented Docker Compose to streamline the orchestration of these containers

Implemented best practices for scalable, maintainable containerized environments.

### Web application Hosting -

Hosted static and dynamic websites on GCP and AWS using various cloud services.

GCP: Utilized VM Instances, Cloud Storage Buckets, Cloud Run, and App Engine for hosting and scaling applications.

AWS: Deployed web applications using EC2, S3, and Elastic Beanstalk.

Configured and optimized Apache HTTPD and NGINX web servers for performance and security.

Followed cloud best practices for security, performance optimization, and cost efficiency.

### AWS event Triggering -

Shell script project which provides a list of all the Amazon S3 buckets, Lambda functions, IAM roles, EC2 instances.

### ToDo List App Using Flask -

Developed a ToDo list application using Flask, leveraging SQLAlchemy for database management.

Implemented core functionalities such as dynamic HTML rendering, form handling.

Page redirection using Flask's render template, request, and redirect methods.

## SKILLS

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<b>Programing Languages:</b>	<b>Python, Bash, Shell, SQL Queries</b>
<b>DevOps Tools:</b>	<b>Git, Docker, Kubernetes, Jenkins, Github Actions, Terraform, Ansible Argo CD</b>
<b>Cloud Platforms:</b>	<b>GCP, AWS, Azure fundamentals</b>
<b>Operating Systems:</b>	<b>Linux, Windows</b>
<b>Soft Skills:</b>	<b>Agile and SCRUM, Project Management, problem solving, work ethic.</b>

## CERTIFICATIONS

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- Google Cloud Certified Cloud Digital Leader
- Professional certificate in agile and SCRUM (Udemy)
- Python certification (Udemy)
- Community manager certificate (Super Scholer)

## EXTRA-CURRICULAR ACTIVITIES

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- Was a active member of clubs like GDSC (Google Developer students club) and MLSC (Microsoft Learn Student Community.)
- Participated and experienced national level project competition (IETE).
- Successfully completed The Google Cloud Arcade Facilitator Program.
- Completed Google Cloud Career Practitioner program.
- Open Source contributions through Hacktoberfest and GitHub

## LEADERSHIP

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- Facilitated above 80+ students to start their journey in the field of cloud during Google Cloud Study Jams under Google Developer Student Clubs. Actively solved their doubts regarding it.

## EDUCATION

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<b>Bachelor of Engineering;</b> JSPM's Bhivarabai Sawant Institute Of Technology And Research	Expected 2025
Course : Electronics and Telecommunication.	

## INTERESTS

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Research, Travel , Foreign language , music