Sachin Choudhary

Aspiring DevOps Engineer

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Summary

➔ As an aspiring DevOps Engineer, I'm eager to refine my expertise across DevOps and Cloud domain. I'm passionate about continuous learning and excited to contribute to impactful real world projects that challenge my growing skill set.
➔ Pursuing a bachelor degree (B.Tech) in Computer Science & Engineering from RTU, Kota.

Technical Skills

DevOps & CI/CD :	Docker, Jenkins CI/CD, Github Actions, CodeBuild, CodeDeploy, CodePipeline
Cloud:	AWS (EC2, Lightsail, S3, IAM, ECS, ECR, AWS SDK, Load Balancer, VPC)
Containers:	Docker, Basic Kubernetes
Monitoring/Debugging:	Cloudwatch, EC2 & Web Server logs
Web Technologies:	Wordpress, AJAX, REST APIs
Languages:	Python, C, JavaScript, HTML5, CSS3, Bash
Mobile Technologies:	Figma, FlutterFlow, Firebase
Web Servers:	Apache, Nginx
Libraries & Frameworks:	Bootstrap, jQuery, ReactJS, Flask, Boto3
Data Stores:	MongoDB
Version Control :	Git, GitHub
Operating Systems:	Linux (RHEL, CentOS, Amazon, Ubuntu), Windows

Educational Qualification

Passing Year	Degree/Certificate	Institution Name	Percentage
2027	Bachelor of Technology (CSE)	AIETM, Jaipur	Pursuing
2022	BSER Board (Class XII)	MD Sr Sec School, Chirawa	80.80
2020	BSER Board (Class X)	Surajgarh Academy, Surajgarh	78

Professional Experience

Summer Intern   (July 2024 - Aug 2024)

LinuxWorld Informatics Pvt. Ltd. (Jaipur, Rajasthan)

❖ Built a menu-based Python Project incorporating below key services:
  ➢ AWS Services : EC2 Instance Creation , S3 Bucket and Image Recognition Automation using Python boto3 (AWS SDK for python).
  ➢ Docker : Docker Image Pull, Docker Container Launch, Docker Container Start, Stop, Delete etc Automated using Python Subprocess module.
  ➢ Python : Calling a number, Image Filter, Face Swapping, Sending Whatsapp Messages programmatically, Instagram Post creation, Live Video Streaming & capturing photos from IP WebCam, EC2 Instance automation using CV Zone, Sending Emails using SMTP Library, Setting hat on head, Showing Top 5 Results for a keyword from google search programmatically.
❖ Worked as Technical Volunteer for LinuxWorld Summer Intern students by conducting Video Call sessions for doubt solving.

Independent Projects

❖ **Static Website Deployment with AWS CI/CD**
Deployed a static website using a fully automated CI/CD pipeline built with GitHub, AWS CodePipeline, CodeBuild, and CodeDeploy. This project makes use of Docker containers and follows a Blue-Green deployment strategy on EC2 instances behind elastic load balancer, ensuring near zero downtime during updates.
➢ Integrated GitHub with CodePipeline for source control.
➢ Built and pushed Docker images to ECR using CodeBuild.
➢ Used CodeDeploy to manage Blue-Green deployments on EC2.
➢ Managed traffic shift through Elastic Load Balancer.
➢ **GitHub Repo**:Project - Static Website Deployment with AWS CI/CD

❖ **Urban Food Waste Management System – Code Red Triathlon Project**

Built a web-based platform to connect food donors with NGOs to reduce food wastage and ensure efficient food redistribution.

➢ Developed responsive frontend using HTML, CSS & JavaScript.

➢ Built backend in Python with Firebase for real-time database integration.

➢ Implemented user authentication and hosting via Firebase.

➢ Integrated location tracking and alerts using Google Maps API.

➢ Designed a chatbot for real-time donor/NGO assistance.

➢ GitHub Repo: Project – Food Waste Management System

❖ **Personal Portfolio Website**
Created a Personal Portfolio website showcasing the project demos and hosted manually on AWS lightsail.
➢ Used Let's Encrypt Certbot tool for generating SSL certificates and further configured them with Apache Webserver.

Certifications & Learning

- 45 Days Summer Internship Certificate from **LinuxWorld** Informatics Pvt Ltd Jaipur
- 42 AWS Cloud AI Services in Just 9 Hours Certificate by **LinuxWorld** Informatics Pvt Ltd Jaipur
- Docker Essentials: A Developer Introduction by **IBM**
- Code Red Triathlon'24 participation certificate (72 hrs event)
- Codefiesta Hackathon 3.0 participation certificate. (24 hrs hackathon)
- GirlScript Summer of Code 2024 - Extended Edition (Learned about open-source contribution)

Activities & Interests

As an aspiring DevOps / Cloud Engineer with a curiosity to know all aspects of technology, I actively participate In various hackathons, meetups, developer events. Currently honing my skills in the DevOps & Cloud domain.