Abhishek Singh

As an enthusiastic candidate seeking DevOps Engineer and Software Development Engineer (SDE) roles, I bring a unique blend of skills in automation, troubleshooting, and software development. With hands-on experience in AWS, CI/CD pipelines, and scripting languages like Python and JavaScript, I excel in both collaborative team environments and as an independent contributor.

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Leetcode:https://leetcode.com/u/2021uee1669/

HashNode:https://hashnode.com/@abhishek9123

EXPERIENCE

Upwork, Remote — *DevOps Engineer*[Freelance]

Aug 2023 - July 2024

Highly motivated and detail-oriented DevOps Engineer with 1+ year of freelance experience on Upwork, delivering cloud-native solutions to clients across the globe. Strong foundation in computer science and a passion for automation.

Open-Source -*Contributor, Maintainer*

Aug 2023 – Present (Remote)

I worked on various DevOps and AWS Cloud projects for scripting, automating, and resource utilization and made those open to all, then managed repositories, fixed documents, and did code reviews.

Hashnode -Technical Content Writer

Jul 2024 - Present

As a passionate content creator at hashnode, I specialize in crafting informative and engaging blog posts on the latest trends and innovations in DevOps, Cloud-security, SDLC, AI, and machine learning.

EDUCATION

MNIT JAIPUR, Jaipur -*Electrical Engineering*

December 2021 - May 2025

PROJECTS

End to End CI-CD Implementation — *Jenkins*

Implemented an end-to-end CI/CD pipeline for java-based application using Jenkins declarative pipelines which includes various stages such as Build, Unit testing, Static code analysis, SAST, DAST, Creation of Docker Images, Deployment on Kubernetes platform using Argo CD.

SKILLS

Cloud Services-AWS,Azure

Containerization–Docker, Kubernetes (K8s)

Infrastructure as Code (IaC): Terraform, Pulumi

Configuration-Management –Ansible,SaltStack

CI/CD – Jenkins, GitLab

Scripting–Bash,Python

Control System - Git, GitHub

Languages: Java, Python

Monitoring: Prometheus, Grafana, CloudWatch

Front-End:HTML,CSS,TypeScript,React.js

Back-End:Node.js,Express.js,Django

Database :SQL,MongoDB

API-Development:Postman

CERTIFICATIONS

AWS Technical Essential

Infrastructure Automation with Terraform by Whizlabs

Architecting with Google Kubernetes Engine

Google Cloud Certification: Cloud Engineer by Coursera

Master the Linux Command Line by Udemy

JavaScript Algorithms and Data Structures by FreeCodeCamp

LANGUAGES :Hindi , English

Cloud Cost Optimization — *AWS*

Implemented Lambda function that fetches all EBS snapshots owned by the same account ('self') and also retrieves a list of active EC2 instances (running and stopped). For each snapshot, it checks if the associated volume (if exists) is not associated with any active instance. If it finds a stale snapshot, it deletes it, effectively optimizing storage costs

Kubernetes End to End Deployment — EKS

Deployed a game application by creating a cluster with Fargate and utilizing replicas in deployment to ensure auto-healing and ease of auto-scaling, configured application load balancer then exposed the application to the outside world through an external IP.

Comprehensive Monitoring Solution on AWS

Developed a monitoring system for a web application hosted on AWS EC2 instances.Where I implemented Prometheus for monitoring hardware and OS metrics with Node Exporter ,Integrated Blackbox Exporter for endpoint probing and Alertmanager for alert management and configured Gmail notifications for critical alerts, enhancing incident response time.

Build an AI SaaS App: Convert Video to Blog Posts

Developed a Full Stack AI SaaS application using Next.js14, TypeScript, and ShadCN UI, featuring audio transcription and blog generation via OpenAI API, secure authentication with Clerk, and payment processing with Stripe. The application includes a responsive user dashboard with a Markdown editor for SEO-friendly content management, leveraging NeonDb for database management and UploadThing for secure file uploads. Deployed on Vercel with performance optimizations, the project supports real-time updates, toast notifications for user feedback, and webhook functionality for Stripe events.