Shybal Ghosh

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Professional Summary

Recent post-graduate with a strong technical background also capable of optimizing infrastructure and automating processes, now a certified AWS Solutions Architect Associate, seeking a DevOps Engineer role. Skilled in AWS services, CI/CD pipelines, containerization technologies and infrastructure as code. Proficient in Python and frameworks, with a focus on Machine Learning through extensive academic project. Seeking challenging role to contribute to innovative project and drive operational excellence.

Experience

Cloud Solution Consultant   **Nov'23 - Present**
Xtracolabs

- Consulted them on cloud infrastructure and strategy to accelerate their business idea and drive innovation
- Implemented AWS based solutions that impacted the organization to go share their static website. Used S3 bucket for hosting and Cloudfront distribution to make the website public.

Freelancer   **Apr '23 – Oct '23**
Rangeen Khidki Foundation

- Collaborated the organization to gather data, construct project key points and led the development of a chatbot project
- Developed the initial prototype of the chatbot with the intent of spreading awareness regarding SRHR
- Implemented and tested among 10-15 users that got an accuracy of almost up to 60% through the platform **Telegram**

Projects

Cloud Resume Challenge | (Website URL)

- Designed and deployed a portfolio website using HTML, CSS, JavaScript, and hosted on AWS S3 with custom domain configuration
- Created a serverless backend using AWS Lambda to support dynamic features, including a visitor counter stored in DynamoDB
- Established an Infrastructure as Code (IaC) setup with Terraform and implemented a CI/CD pipeline using GitHub Actions to automate the deployment and update of the website

NodeJs REST Application

- Developed a login and sign-up application using Node.js and MongoDB for secure user authentication and data management.
- Containerized the application using Docker and managed to reduce the size of image by 82%
- Deployed the containerized app on a local Kubernetes cluster via Minikube, simulating a cloud-native production environment.

Education

M. Sc in Computer Science | Asutosh College, University of Calcutta | CGPA: 8.133   **2021 – 2023**
Secured Rank 4th in the department and under top 20 in the University

B. Sc in Computer Science | Vivekananda College, University of Calcutta | CGPA: 7.84   **2018 – 2021**
Secured Rank 6th in the department

Skills

Cloud Infrastructure: AWS, EC2, Auto Scaling, ELB, S3, Lambda, ECS, EKS, ECR
DevOps Tools: Git, GitHub, GitLab GitHub Actions, Jenkins, Argo CD, Docker, Docker Compose, Kubernetes, Terraform
Programming Language: Python, Java, C
Scripting: Bash, Powershell
Operating System: Linux, Windows
Database: MongoDB, MySQL, PostgreSQL
Containerization: Docker, Kubernetes

Certifications

- Certified AWS Solutions Architect – Associate   **Aug 2024 – Aug 2027**
- AWS Cloud Essentials   **June 2024**
- DevOps Beginners to Advanced with Projects   **Feb 2024**