

AMBEKA DESHMUKH


Associate DevOps Engineer

AWS Certified Solutions Architect - Associate

📍 Ontario, Canada.

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 [LinkedIn](#)

 [GitHub](#)

IT Forte

Cloud & Infrastructure: AWS, Microsoft Azure, Google Cloud Platform, Terraform, Linux

DevOps & Automation: Docker, Kubernetes, Ansible, Jenkins, ArgoCD, GitHub, GitOps, Harbor, SaltStack

Data Management & Analytics: Snowflake, MySQL, Apache Superset, Sigma

Security & Identity Management: Wazuh, Teleport, OpenVPN, Passbolt, Trivy, Keycloak, MFA, Google SSO, CrowdStrike, Jumpcloud.

Monitoring & Observability: Prometheus, Grafana, ELK Stack, SonarQube, Splunk

Web & API: Nginx, Postman, Traefik

Programming: Python, Bash

Collaboration & Project Management: Atlassian Confluence, Jira Service Management

Backup & Recovery: Bacula, Velero

Certifications

AWS Certified Solutions Architect - Associate

Validation No: 329f5259b20340aa91efffe8c1f4a7b8

Certified Python Developer

MSME, Chennai - Apr 2023

Certified in Azure Administration [AZ-104]

MSME, Chennai - Dec 2022

Certified in AWS Security & Compliance

MSME, Chennai - Dec 2021

Certified Ethical Hacker

MSME, Chennai - Dec 2021

Certified Digital Marketer

Koenig-Solutions - Nov 2020

Education

Graduate Certificate in Virtualization & Cloud Computing [Jan 2024- Aug 2024]

Conestoga College, Waterloo, Ontario

Bachelor of Commerce with Computer Applications [June 2002 - April 2005]

Madurai Kamaraj University, India.

Profile

Associate DevOps Engineer with 2.8 years of experience architecting resilient cloud solutions that align with enterprise objectives. Recognized for streamlining technical operations while maintaining robust security standards and compliance requirements. Merges strong technical acumen with collaborative leadership to drive continuous improvement in development workflows and operational excellence.

Work Experience

Associate DevOps Engineer

April 2022 - Present

RightRev Inc, Roseville, CA.

- **AWS Disaster Recovery:** Architected and implemented cross-region disaster recovery solutions for RDS databases, S3 storage systems, and EKS clusters, ensuring rapid recovery and minimal downtime during critical system outages.
- **Microservices Deployment:** Deployed microservices using Jenkins and ArgoCD, enabling seamless application rollouts, auto-scaling, and enhanced resource utilization.
- **Kubernetes & EKS Management:** Implemented and managed containerized environments using Kubernetes on Amazon EKS, optimizing application performance and reducing operational costs.
- **Security & IAM:** Strengthened system security through the implementation of Sealed Secrets and developed robust IAM solutions across AWS services, reducing security risks and unauthorized access by over 30%.
- **Monitoring & Logging:** Integrated advanced monitoring tools such as Grafana, Prometheus, and the ELK Stack for microservices logging, resulting in a significant reduction in system downtime and ensuring high availability.
- **Cost Optimization:** Hands-on experience in monitoring and optimizing cloud infrastructure costs, achieving up to 15% savings in operational expenses.
- **Security Monitoring:** Implemented Wazuh and endpoint security monitoring solutions, improving threat detection and response across microservices environments.
- **Code Quality Assurance:** Utilized SonarQube to ensure code quality, contributing to measurable improvements in overall code quality metrics.
- **Data Management with Snowflake:** Enhanced data management processes by utilizing Snowflake as a cloud-based data warehousing platform, and led customer migration from AWS to Snowflake DB.
- **Data-Driven Decision-Making:** Monitored and maintained Sigma deployments, enhancing the organization's ability to make data-driven decisions.
- **SOC 2 Compliance:** Played a key role in four successful SOC 2 audits in collaboration with leading audit firms, ensuring that organizational processes met stringent compliance standards.
- **Incident Management:** Resolved over 280 incidents and tickets, significantly improving operational efficiency through effective incident and problem response strategies.
- **Automation:** Scripted custom automation solutions using Python and Bash, substantially reducing manual operational tasks.
- **Slack Integrations:** Implemented Slack API integrations, leading to reduced response times for critical alerts and improved team communication.
- **Agile Leadership:** Served as Scrum Master for 35 sprints, driving cross-functional collaboration and consistently meeting project deadlines within DevOps teams.
- **Employee Onboarding/Offboarding:** Managed employee onboarding and offboarding processes, handling requests from HR and development teams.
- **Jira Automation:** Automated repetitive tasks in Jira using custom scripts, significantly improving workflow efficiency.

Previous Work Experiences

Digital Marketing Analyst - RightRev Inc, Roseville, CA.

Jan 2021 - Mar 2022

- Analyzed digital marketing campaigns using data analytics tools, providing actionable insights to improve campaign performance.
- Collaborated with cross-functional teams to optimize website content and user experience, resulting in increased user engagement.
- Managed social media presence across multiple platforms, increasing follower count and engagement rates.
- Implemented SEO best practices, improving organic search rankings for key product pages.

Manager - Hotel Operations & Marketing, The Metroplace Hotels, Chennai.

Nov 2017 - Dec 2020

Marketing Manager- The Metroplace Hotels(Formerly Asiana Place), Chennai.

Nov 2015 - Feb 2017

Assistant Manager -Operations, The Star Residency, Madurai

Jan 2013 - Apr 2015

Entrepreneur , 50 Bucks Restaurant, Chennai

Mar 2010 - Aug 2012

Projects

AI-Powered Infrastructure as Code (IaC) Generator | Personal Project - [Github](#)

This Python-based tool uses natural language processing techniques to generate Terraform code from user-provided descriptions of desired infrastructure.

The DevOps Crossroads | Personal Project - [Github](#)

Navigating the Convergence of DevOps, Security, and AI - This repository documents my journey through the modern technology landscape, sharing insights, projects, and learnings along the way.

ATLAS: Automated Threat Learning & Analysis System | Personal Project-[Github](#)

A comprehensive DevOps project integrating Wazuh, cloud-native tools, and machine learning for advanced security monitoring and automated incident response.

SupportBot | Personal Project-[Github](#)

This Python project is a simple chatbot (mvp) demo that provides information about various services in the Waterloo region, including garbage collection, parks, and transit.

Current Focus :

** Currently preparing for the '**Certified Kubernetes Administrator**'

** Attending the **GenAI Bootcamp**

Python Data Libraries | Training and Inference Optimization | Fine Tuning Models | Retrieval Augmented Generation | Rightsizing for AI Models | Advanced Prompt Engineering Techniques Troubleshooting AI Inference Issues | Cloud Native Deployments for AI workflows | Evaluating Models using Performance Metrics

References :

On Request.