Akash Pawar

DevOps | SRE | AWS | AZURE | MERN | NextJs | K8's

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Summary

AWS Certified Solutions Architect and DevOps Engineer with 2 years of experience in AWS, Kubernetes, and Azure. Proficient in Argo CD, Git, and BetterStack to enhance deployment reliability and optimize costs. Strong analytical and problem-solving skills, effective communication, and proven leadership in delivering innovative solutions while prioritizing cost, security, and compliance.

Links

🌐 **Portfolio**
☺ **GitHub**
in **LinkedIn**

Education

MITAOE
B.Tech (Cloud Computing)
📅 2019-2023   📍 Pune, India
CGPA - 8.28

Certifications

🔗 **AWS CERTIFIED DEVELOPER**

🔗 **AWS SOLUTIONS ARCHITECT**

Skills and Expertise

- **Cloud & DevOps:** AWS, Azure, GCP (beginner), GitHub Actions, Docker, Kubernetes (EKS, AKS, GKE), CloudWatch, Prometheus, NGINX, OpenVPN (basic), Grafana (basic)
- **Infrastructure as Code:** Terraform, CloudFormation, AWS SAM, CLI
- **Programming:** JavaScript, TypeScript, Bash, Python
- **Web & Backend:** React.js, Next.js, Tailwind CSS, Node.js, Express, WebSockets, Redis, kafka (beginer) ,PostgreSQL

Experience

DEVOPS ENGINEER
Trames Private Limited
📅 Dec 2022 – Current   📍 Remote

- **Infrastructure Optimization:** Architected and maintained scalable infrastructure on AWS, Azure, and Google Kubernetes Engine (GKE), ensuring high availability and achieving 99.9% uptime for critical applications. Leveraged IaC with Terraform, AWS SAM, and CloudFormation for streamlined deployments.
- **Kubernetes:** Spearheaded container orchestration using Kubernetes (EKS, AKS, GKE) to manage microservices architectures for logistics applications handling thousands of shipments daily, enabling real-time tracking and enhancing scalability under high loads.
- **CI/CD Automation:** Automated CI/CD pipelines with GitHub Actions, AWS CodePipeline, and Azure Pipelines, reducing deployment time by 60% and increasing deployment frequency by 3x to support rapid development cycles.
- **Cost Optimization:** Achieved 30% reduction in cloud costs, saving appox. $4,000 per month through targeted optimization strategies.
- **Web Scraping:** Developed data extraction solutions with Node.js and Puppeteer, streamlining data collection processes and improving efficiency by 30%.
- **Monitoring & Troubleshooting:** Established a monitoring stack with BetterStack for status reporting, CloudWatch and Logz.io for real-time tracking, and Prometheus and Grafana for metrics visibility, reducing incident response times by 50%.
- **Security & Compliance:** Utilized Vanta to facilitate ISO certification compliance by implementing security measures and conducting audits, reducing vulnerability exposure by 20%.
- **Disaster Recovery:** Implemented a robust disaster recovery strategy, ensuring rapid recovery and data protection, reducing downtime by 40% during critical scenarios.
- **Resilient Zero-Downtime Deployments:** Achieved zero-downtime in Kubernetes using rolling updates and blue-green deployments, with high-performance nodes for critical tasks to ensure resilience.
- **Unified Deployment Strategy:** Established a reliable single source of truth with Argo CD and Git, ensuring consistent application deployments and achieving 99.9% uptime across environments.