Amit Kaushik
DevOps Engineer

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PROFILE

Results-driven DevOps Engineer with over 4 years of experience in IT infrastructure, database management, and system optimization across research (CSIR-NPL), global operations (Kantar), and IT services (CMS). Skilled in automating workflows, managing cloud and on-premise infrastructure, and ensuring high availability of mission-critical systems. Proficient in SQL, Python, scripting (PowerShell, Bash), and DevOps tools for CI/CD, containerization, and system monitoring. Adept at collaborating with cross-functional teams to design scalable solutions, streamline deployments, and enhance system reliability. Seeking to leverage my expertise in a challenging DevOps role.

SKILLS-

- DevOps Tools: Docker, Kubernetes, Jenkins, Git, Ansible, Terraform, Prometheus, Grafana
- Programming & Scripting: Python, SQL, PowerShell, Bash
- Cloud Platforms: AWS (basic), Azure (backup solutions), Google Cloud (exposure)
- Networking: DNS, DHCP, Firewalls, Routers, Switches
- Operating Systems: Windows, Linux/Unix, macOS
- Database Management: SQL Server, MySQL, ETL Processes, Performance Tuning
- Monitoring & Automation: Resource Monitoring, Query Optimization, Automation Scripts, CI/CD Platforms
- Software: Office 365 Admin, SOTI MobiControl, ServiceNow, JIRA

PROFESSIONAL EXPERIENCE

Project Associate-II (DevOps Focus)
CSIR-NPL | Delhi | September 2024 – Present

- Designed and implemented automated database backup and recovery pipelines, reducing manual intervention by 70% and ensuring 100% data availability for research systems.
- Collaborated with senior engineers to deploy and manage containerized applications using Docker, improving deployment speed by 40%.
- Optimized database performance through indexing, query tuning, and resource allocation, enhancing system efficiency by 30%.
- Developed Python scripts to automate data processing workflows, cutting processing time by 50% and boosting accuracy by 40%.
- Supported infrastructure migrations to hybrid environments, ensuring zero downtime during transitions.
- Strengthened security by revamping database encryption and access controls, achieving 100% audit compliance.

Executive, Database Management Support
Kantar IMRB (Quess Corps Limited) | Delhi | March 2023 – August 2024
- Managed CI/CD pipelines for database updates and ETL processes, ensuring seamless data flow for global analytics projects.
- Automated database monitoring and patching using Bash and Python scripts, reducing manual effort by 60% and maintaining compliance with security standards.
- Resolved performance bottlenecks in large-scale databases through query optimization and indexing, improving report generation time by 25%.

- Facilitated cross-functional collaboration to migrate legacy systems to modern platforms, minimizing service disruptions.
- Provided 24/7 support for mission-critical systems, achieving 99.9% uptime for global operations.

IT Support Engineer
CMS IT Support | Delhi | May 2021 – February 2023
- Automated database maintenance tasks using PowerShell and Bash, reducing operational overhead by 35%.
- Supported disaster recovery initiatives by implementing a cloud-based backup solution, cutting data loss risk by 95%.
- Monitored and optimized database performance, proactively resolving incidents and reducing downtime by 20%.
- Collaborated with developers to design scalable database architectures for new applications, ensuring robust deployment pipelines.
- Improved first-call resolution rate by 20% through streamlined troubleshooting processes and documentation.

EDUCATION
Bachelor of Technology in Computer Science & Engineering
AKTU University | Mathura | 2016 – 2020

ACHIEVEMENTS
- Reduced mean time to resolve (MTTR) by 30% through efficient automation and escalation workflows.
- Implemented a cloud-based backup solution at CMS, reducing data loss risk by 95%.
- Improved system reliability by 25% at CSIR-NPL by debugging and optimizing Python-based data systems.
- Achieved 100% audit compliance by enhancing database security protocols at CSIR-NPL.

CERTIFICATIONS
- AWS Certified Solutions Architect – Associate (In Progress, expected 2025)
- ITIL Foundation – IT Service Management Best Practices
- CompTIA A+ – Hardware, Software, and Troubleshooting
- ServiceNow – Project Management and Issue Tracking
- Course on Computer Concepts (CCC) – 2021
- Engineering Virtual Internship – 2020