Aditya Upadhyay

• +91-7428609471   • u.aadityaa@gmail.com   • Faridabad   • Github   • Portfolio   • LinkedIn

CAREER OBJECTIVE

Dedicated DevOps & Site Reliability professional with expertise in Linux, cloud technologies (AWS, Azure), and automation. Skilled in maintaining uptime, securing production environments, streamlining deployments, and driving operational excellence using modern DevOps practices.

KEY SKILLS

Programming Languages: C++ | JavaScript | Python | Golang | SQL | Bash | **Cloud Platforms:** AWS | Azure

DevOps & Automation: Docker | Kubernetes | Ansible | Terraform | Jenkins | CI/CD | Github Actions

Database Technologies: MySQL | MongoDB | Apache Cassandra

Operating Systems & Monitoring: Linux, Prometheus, Azure monitor, Grafana | **Machine Learning & AI:** Machine Learning | TensorFlow | ChatGPT | Grok | Cursor

Networking & Infrastructure: Networking | TCP/IP | Cloud Architecture | Incident Management | Infrastructure Security | Agile / Scrum Methodologies

WORK EXPERIENCE

ORCAN LITTLE SYSTEMS | Faridabad   Oct '24 - Present

Associate Software Engineer

- **Manage and optimize SQL databases** to improve performance, ensure data integrity, and support seamless business operations
- **Administer and monitor AWS cloud environments** for hosting and managing scalable, secure database solutions
- **Implement backup, recovery, and performance tuning strategies**, ensuring high availability and reliability of database systems

IZOOTO(Datability Pvt. Ltd.) | Noida   Dec '23 - Aug '24

Software Engineering Intern

- **Built and scaled backend systems** using Python, Golang, Docker, and Kubernetes(AKS on Azure), improving system efficiency by **30%**
- **Implemented automation and monitored using Prometheus**, reducing system downtime by **25%** and automating **40% of critical processes**
- **Benchmarked DBs like MongoDB and Apache Cassandra** for robust, cloud-based data management and high availability
- Collaborated with developers to streamline production deployments and enhance deployment reliability.
- Contributed to incident response by troubleshooting production issues and ensuring minimal downtime.

KEY PROJECTS

AWS Lambda Image Metadata Extractor - AWS | Lambda | DynamoDB | S3 | SNS

- Designed and implemented an event-driven serverless application using **AWS Lambda triggered by S3 events to extract and manage image metadata**
- Automated metadata storage in **DynamoDB and integrated SNS notifications** to send real-time email alerts on new uploads
- Configured secure IAM roles and policies with least-privilege access for **S3, DynamoDB, and SNS services**, ensuring proper security practices
- Monitored and debugged application using **AWS CloudWatch logs** to ensure reliability and fault tolerance

DevOps Automation Project – Terraform | Ansible | Jenkins | AWS

- Automated AWS infrastructure provisioning by writing Terraform scripts to deploy and configure **multiple EC2 instances with user-data bootstrapping**
- Implemented Ansible-based configuration management, setting up **Master-Slave automation and creating playbook**s to install and configure Java, Jenkins, and dependencies
- **Set up CI/CD pipeline on Jenkins** to fetch code from GitHub and prepare for automated build and deployment workflows
- Hands-on experience with end-to-end **DevOps stack including AWS (EC2, IAM)**, Terraform, Ansible, Jenkins, GitHub, and Ubuntu Linux

CERTIFICATIONS

- Successfully completed **Cloud & DevOps Bootcamp Certification** from Intellipaat, gaining in-depth knowledge of cloud computing and DevOps practices

EDUCATION

| Nilokheri

State Institute of Engineering and Technology, Kurukshetra University

Aug '19 - Jun '23

Bachelor of Technology(Computer Engineering), CGPA: 8.07/10