

Aditya Upadhyay

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CAREER OBJECTIVE

Dedicated Software Engineering professional with expertise in database administration, cloud technologies, and DevOps automation. Skilled in AWS, GCP, and multiple programming languages, with a proven track record of improving system performance, user engagement, and implementing efficient cloud-based solutions. Experienced in managing databases, developing API methods, and utilizing containerization technologies like Docker and Kubernetes

KEY SKILLS

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

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

Database Technologies: MySQL | MongoDB | Apache Cassandra

Operating Systems: Linux | **Machine Learning & AI:** Machine Learning | TensorFlow | ChatGPT | Grok | Cursor |

Networking & Infrastructure: Networking | Cloud Architecture

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(Dataability Pvt. Ltd.) | Noida

Dec '23 - Aug '24

Software Engineering Intern

- **Engineered a JavaScript SDK** for seamless frontend integration, improving user experience and driving a **15% increase in engagement**
- **Developed and optimized API methods**, resolving integration challenges and enhancing product performance by **20%**
- **Built and scaled backend systems** using Python, Golang, Docker, and Kubernetes, improving system efficiency by **30%**
- **Implemented automation and monitoring solutions**, reducing system downtime by **25%** and automating **40% of critical processes**
- **Leveraged GCP with MongoDB and Apache Cassandra** for robust, cloud-based data management and high availability

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 playbooks** 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

State Institute of Engineering and Technology, Kurukshetra University | Nilokheri

Aug '19 - Jun '23

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