

# Monesh Mhatre

DevOps Engineer | Python Automation | Cloud Infrastructure | CI/CD Pipelines

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## PROFESSIONAL SUMMARY

DevOps Engineer with experience in infrastructure automation, Python scripting, CI/CD pipelines, and containerized services on AWS EKS. Skilled in REST API integrations, observability (Prometheus, Grafana), and eager to build scalable, test-driven systems in high-performance teams.

## TECHNICAL SKILLS

- **Languages:** Python, SQL, Shell Scripting, Java
- **DevOps & Automation:** Terraform, Ansible, Jenkins, GitHub Actions, Bitbucket Pipelines, REST APIs
- **Cloud Platforms:** AWS (EC2, S3, EKS, IAM, CloudWatch), Azure (Certified), Linux Server Administration
- **Containerization & Orchestration:** Docker, Kubernetes (EKS), Helm
- **Monitoring & Debugging:** Prometheus, Grafana, ELK Stack, CloudWatch Logs, Exception Handling
- **Databases:** MySQL, PostgreSQL, MongoDB
- **DevSecOps Tools:** SonarQube, Secrets Scanning Automation
- **Project Tools:** JIRA, Google Calendar Integration, Agile Tools

## PROFESSIONAL EXPERIENCE

### 1) DevOps Engineer – Python & Cloud Automation

LearningMate Solutions, Mumbai — *Feb 2024 – May 2025*

- Engineered CI/CD pipelines using Jenkins and Bitbucket Pipelines to automate Docker image builds and EKS deployments, eliminating 80% of manual effort and accelerating release cycles.
- Provisioned AWS infrastructure (EC2, S3, IAM, EKS) using AWS CLI, Boto3, and Terraform modules for scalable, repeatable environment setups.
- Built Python-based automation for infrastructure tasks, including EBS snapshot cleanup and S3 archival — reducing cloud storage costs by ~25%.
- Hosted Grafana dashboards visualizing CloudWatch metrics to give developers real-time production insights without AWS access.
- Implemented Kubernetes right-sizing scripts and pod autoscaling to optimize resource utilization across staging and production.
- Automated start/stop of non-prod environments via Google Calendar API, with Google Chat alerts to respective teams.
- Integrated SonarQube into pipelines for enforcing code quality and security gates.
- Troubleshoot CI/CD delivery blockers and deployment failures across test and production environments.
- Worked cross-functionally with QA and dev teams to ensure release stability through automated quality gates and monitoring.
- Developed Python modules to manage EKS resource scaling, schedule infra jobs, and interact with cloud APIs in a modular, reusable format.

### 2) IT Support Engineer – Assigned at IDBI Intech Pvt. Ltd., Mumbai (Client Site)

*April 2022 – March 2023*

**HR-Ideasinfinite Solutions Pvt. Ltd.** (*Third-party contractor*)

*April 2022 – October 2022*

- Provided L1 technical support for Windows/Linux systems and internal banking applications.
- Diagnosed hardware/software issues and logged tickets using enterprise support tools.
- Ensured system uptime and user availability in a high-compliance banking environment.

**Sysnet Global Technologies Pvt. Ltd.** (*Payroll transition vendor*)

*November 2022 – March 2023*

- Continued in the same role and location after vendor transition at IDBI Intech.
- Handled infrastructure health checks and incident resolution across multiple branches.
- Maintained PF-linked employment record; responsibilities and reporting structure remained unchanged.

### 3) HVAC Project Engineer

Pentagon El-Mech Pvt. Ltd. — *Jun 2018 – May 2019*

- Oversaw project delivery and maintenance for HVAC installations.
- Communicated technical status to clients and performed on-site troubleshooting.

### CERTIFICATIONS

- 1) **Microsoft Certified: Azure Data Scientist Associate**
- 2) **Microsoft Certified: Azure AI Engineer Associate**
- 3) **HackerRank Certificate: SQL (Advanced)**

### EDUCATION

- **Postgraduate Diploma in Big Data Analytics – C-DAC, Mumbai (Sep 2023)**
  - Focus: Data Engineering, Cloud Computing, DevOps Automation
- **B.E. Mechanical Engineer – Mumbai University (2018)**

### PROJECTS

#### 1) Python Automation for Infrastructure Audits (*LearningMate Solutions*)

**Situation:** Frequent audit findings revealed hardcoded secrets across Git repositories.

**Task:** Build a detection tool to automate secret scanning and remediation.

**Action:** Wrote a Python script to scan repositories recursively and redact secrets inline.

**Result:** Helped accelerate repository preparation and reduce security lapses for VAPT audits.

#### 2) Low-Cost Infra Scheduling & Alerting (Google Calendar + Chat API) (*LearningMate Solutions*)

**Situation:** Non-prod AWS resources were left running off-hours, inflating cloud costs.

**Task:** Automate scheduling and send real-time alerts to development teams.

**Action:** Integrated Google Calendar and Chat APIs with Python scripts to start/stop EC2/EBS based on team schedules.

**Result:** Reduced idle infra cost by ~30% as reflected in the AWS Cost Explorer report.

#### 3) Exploratory Data Analysis on Yelp Dataset (*C-DAC PGDBDA – Final Project*)

**Situation:** Required scalable analysis of a 9GB Yelp dataset for business intelligence.

**Task:** Perform data cleaning, sentiment analysis, and visualization.

**Action:** Used AWS Glue, Athena, S3, and PySpark to process data; created dashboards in Power BI.

**Result:** Uncovered insights into customer satisfaction trends and behavior across service categories.

### INTERESTS

Python Automation • DevOps Engineering • CI/CD Systems • Cloud Microservices • Observability & Monitoring