

Monesh Mhatre

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

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PROFESSIONAL SUMMARY

DevOps Engineer with 1.4+ years of hands-on experience in infrastructure automation, Python scripting, and managing CI/CD pipelines in cloud-native environments. Adept at working with containerized services on AWS EKS, integrating REST APIs into deployment workflows, and creating observability dashboards using Prometheus and Grafana. Previously provided enterprise tech support for financial applications. Looking to contribute to scalable, test-driven systems in a high-performance engineering team.

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

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 – CDAC, Mumbai (Sep 2023)
 - Focus: Data Engineering, Cloud Computing, DevOps Automation
- B.E. Mechanical Engineer – Mumbai University (2018)

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

IDBI Intech Pvt. Ltd. — *Apr 2022 – Mar 2023*

- Delivered technical support for Windows/Linux systems and internal banking applications.
- Used remote tools and command-line utilities for L1 issue resolution.
- Documented ticket history, RCA summaries, and change logs for audits.

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.

Software Engineering Projects (Selected)

1) REST API Integration for DevOps Pipelines

- Developed Python modules using REST APIs to trigger pipeline jobs.
- Wrote SQL queries for pipeline error detection; documented usage and demo scripts.

2) Python Automation for Infrastructure Audits

- Built a script to scan Git repositories for hardcoded secrets and redact them.
- Enabled faster compliance and reduced manual effort.

3) Low-Cost Infra Scheduling & Alerting (Google Calendar + Chat API)

- Automated start/stop of non-production AWS environments by integrating Google Calendar with Python-based scheduling scripts.
- Triggered job actions based on calendar events, reducing idle infrastructure cost by up to 30%.
- Used Google Chat API to send real-time alerts to relevant engineering teams before and after environment changes.
- Designed the solution as a plug-and-play internal tool for dev/test teams, improving cloud cost visibility and scheduling discipline.

4) Exploratory Data Analysis on Yelp Dataset

- Conducted EDA on a 9GB Yelp business dataset to uncover patterns in customer feedback and business trends.
- Leveraged AWS services like S3, Athena, and Glue with Spark jobs to process and analyze the data.
- Built visual dashboards using Power BI to present insights and recommend actions for business optimization.

INTERESTS

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