

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)**

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