![WORKMATES]

# Cloud-Native Transformation
## for **Finance Ops**

## CUSTOMER CHALLENGE

A rapidly expanding non-banking financial company (NBFC) needed a secure, compliant, and cloud-native infrastructure to support its core banking operations. Key challenges included the absence of scalable Kubernetes infrastructure, exposure to vulnerabilities highlighted in VAPT reports, manual secrets management, limited CI/CD automation, and a lack of centralized monitoring and rollback capabilities.

## APPROACH

**Workmates** proposed a modern AWS-based EKS platform with a strong focus on security, automation, and observability. The solution included cluster hardening, secure secrets management, IAM-based pod access, CI/CD with rollback, and full-stack monitoring.

## IMPLEMENTATION

**1** Deployed a private EKS cluster within an IPv6-enabled VPC.

**2** Applied CIS benchmarks and Kubernetes network policies.

**3** Integrated AWS Secrets Manager and IAM roles for pod-level access.

**4** Built CI/CD pipelines with Jenkins and vulnerability scanning (Trend Micro TMAS).

**5** Set up Prometheus, Grafana, Loki, Fluent Bit, and Signoz for observability.

# RESULTS

| Benefit | Impact |
|---------|--------|
| VAPT Compliance Achieved | Closed all audit findings |
| Private IPv6 VPC Deployment | Enhanced scalability and future readiness |
| Secrets & IAM Automation | Eliminated manual credential handling |
| Rollback-enabled CI/CD Pipelines | Reduced deployment risk and downtime |
| End-to-End Monitoring & Logging | Improved incident response and visibility |
| Scalable and Secure Infrastructure | Simplified operations and supported application growth |

## BUSINESS IMPACT

The modernization empowered the NBFC with a secure, compliant, and scalable infrastructure. It established a strong foundation for future innovation, enabled faster go-to-market for application changes, and ensured resilience under both regulatory scrutiny and increasing transaction volumes.