

## Lead AWS Lift-and-Shift Engineer – Financial Services

**Location:** London/India (hybrid – 3 days/week onsite)

**Project Type:** PCI-DSS compliant workload migration (400+ EC2 instances)

**Engagement Duration:** 6 months

### Core Responsibilities

#### 1. Migration Execution

- Deploy **AWS Application Migration Service (MGN)** with custom Replication Settings to minimize RTO (<2h) for tiered applications (web, app, DB layers).
- Configure **AWS DMS** for Oracle RAC → Aurora PostgreSQL schema conversion.

#### 2. Security & Compliance

- Implement guardrails via AWS Control Tower: SCPs restricting non-compliant instance types (e.g., no t2.micro in prod).
- Harden OS images using **AWS Inspector + SSM Patch Manager**.

#### 3. Cost Optimization

- Right-size instances post-migration using **AWS Compute Optimizer** and Savings Plans.

### Mandatory Qualifications

- **Technical Stack Mastery:**
  - AWS Networking: VPC peering, TGW, Direct Connect
  - Migration Tools: MGN, DMS, Server Migration Service (SMS)
  - IaC: Terraform (AWS modules) + Jenkins for pipeline orchestration
- **Certifications:**
  - **AWS Certified Solutions Architect – Professional**
  - Bonus: **AWS Certified Security – Specialty**
- **Experience:**
  - 3+ full lifecycle AWS migrations in banking/fintech (SOC2/PCI-DSS).
  - Hands-on with **Zerto** for near-zero-downtime migrations.
- **Language:** Fluent English + Hindi (for India-based team coordination).

### Project Artifacts to Deliver

- **Technical:**
  - Pre/post-migration runbooks with rollback procedures.
  - Terraform code for core networking (peer-reviewed via PR).
- **Compliance:**
  - Evidence pack for PCI-DSS audit (AWS Config rules + remediation).