Kubernetes Deployment - Web Application

```yaml
# Kubernetes Deployment - Web Application

apiVersion: apps/v1
kind: Deployment
metadata:
  name: web-app
  namespace: production
  labels:
    app: web-app
    tier: frontend
spec:
  replicas: 3
  selector:
    matchLabels:
      app: web-app
  template:
    metadata:
      labels:
        app: web-app
        tier: frontend
    spec:
      containers:
      - name: web-app
        image: nginx:1.25.3
        ports:
        - containerPort: 80
        resources:
          requests:
            cpu: "100m"
            memory: "128Mi"
          limits:
            cpu: "500m"
            memory: "256Mi"
        livenessProbe:
          httpGet:
            path: /healthz
            port: 80
          initialDelaySeconds: 10
          periodSeconds: 30
        readinessProbe:
          httpGet:
            path: /ready
            port: 80
          initialDelaySeconds: 5
          periodSeconds: 10
---
apiVersion: v1
kind: Service
metadata:
  name: web-app-svc
  namespace: production
spec:
  type: ClusterIP
  selector:
    app: web-app
  ports:
  - port: 80
    targetPort: 80
    protocol: TCP
```