

## **6. DevOps Implementation**

### **Version Control Practices**

#### **Git Workflow**

#### **GitHub Integration**

### **Continuous Integration/Continuous Deployment**

#### **GitHub Actions Configuration**

#### **Build Server Setup**

#### **Testing Pipeline**

### **Containerization**

#### **Docker Implementation**

#### **Container Registry**

### **Cloud Deployment**

#### **Google Cloud Setup**

#### **Netlify Frontend Deployment**

### **Monitoring and Maintenance**