 implemented all four components with the following features:

1. **API Documentation (OpenAPI/Swagger)**:
   * Complete API specification
   * Request/response schemas
   * Authentication details
   * Error responses
   * Examples and descriptions
   * Security schemes
2. **Deployment Configuration**:
   * Multi-stage Docker build
   * Kubernetes deployment
   * Service configuration
   * Ingress setup
   * Auto-scaling
   * Health checks
   * Resource limits
3. **Monitoring Setup**:
   * Prometheus metrics
   * Custom metrics
   * Grafana dashboard
   * Request tracking
   * Performance monitoring
   * Error tracking
   * Business metrics
4. **CI/CD Pipeline**:
   * GitHub Actions workflows
   * Automated testing
   * Docker builds
   * Deployment stages
   * Environment management
   * Notifications
   * Health checks

Key features:

1. **API Documentation**:
   * Interactive documentation
   * Schema validation
   * Security definitions
   * Response examples
2. **Deployment**:
   * Zero-downtime updates
   * Auto-scaling
   * Load balancing
   * SSL/TLS
   * Resource management
3. **Monitoring**:
   * Real-time metrics
   * Custom dashboards
   * Alerts
   * Performance tracking
   * Business KPIs
4. **CI/CD**:
   * Automated testing
   * Continuous deployment
   * Environment promotion
   * Release management
   * Notifications