

Bank Web Application
Client-Server Architecture

1. **Client:** The end-user interacting with the system.
 2. **Load Balancer:** Distributes incoming requests across multiple web servers for efficiency and reliability.
 3. **Web Server:** Handles HTTP requests, static content, and routes requests to the app server.
 4. **App Server:** Executes application logic and processes business logic.
 5. **Business Logic:** Core logic for handling operations and data processing.
 6. **Message Queue:** Asynchronous task processing for background jobs and scaling.
 7. **Cache Server:** Stores frequently accessed data to improve performance.
 8. **Database:** Stores application data, user data, and transactions.
 9. **Payment Gateway:** Handles secure payment transactions.
 10. **Monitoring:** Tracks performance, errors, and system health.
- **Possible tech stack:** React, Nginx, Go, Apache Kafka, Redis, PostgreSQL, Yandex.Kacca, ELK Stack, Prometheus + Grafana

