

## SecuriTech Design Notes

### 1. API Design:

- Use RESTful APIs for all services.
- Implement rate limiting to prevent abuse.
- Use OAuth 2.0 for authentication.

### 2. Database Design:

- Use PostgreSQL for relational data.
- Implement row-level security for sensitive tables.
- Regularly back up the database.

### 3. Infrastructure Design:

- Use Kubernetes for container orchestration.
- Implement auto-scaling for high availability.
- Use AWS S3 for file storage.

### 4. Security Design:

- Use HTTPS for all communication.
- Implement DDoS protection using Cloudflare.
- Regularly scan for vulnerabilities using tools like Nessus.