

Clients.

Web-App:

1. ReactJS

- builds eye-catching user friendly UX/UI with CSS knowledge
- allows creation of reusable components for consistency
- Achieves faster rendering with its virtual DOM
- Helps with maintaining components states throughout the process of the application
- Same code can be adopted for usage on mobile app with react-native.

Mobile-App:

2. React-Native

- Reusing of base code

Backend:

3. Django

- Promotes rapid development with its concise ORM functionality
- Enforces MVC like infrastructure + architecture.
- Easily expandable project using apps.
- Easy regex-based routing.

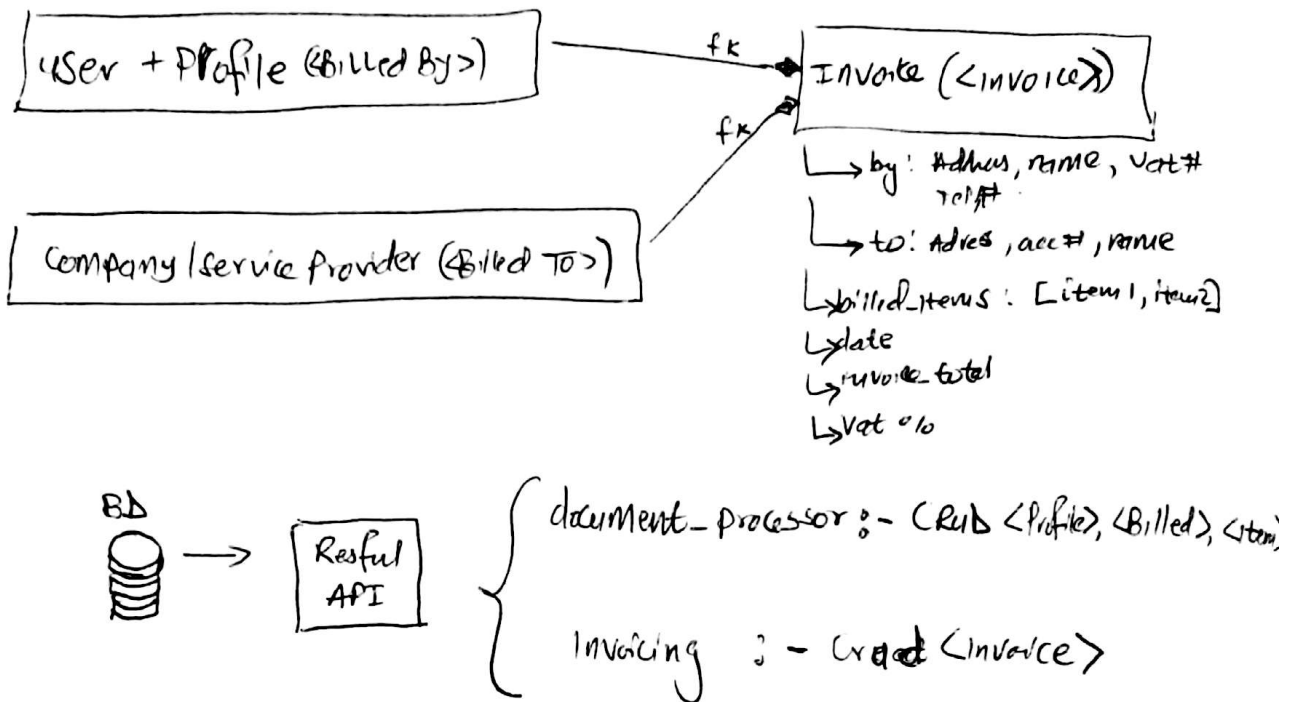
4. Restful-Framework

- Out-of-the-shelf serialization
- out-of-the-shelf crud implementation
- Standalone test form environment for every endpoint (browser API)
- Multiple response formats

Solution Concept

• New Invoice Processing Service

Micro-Service Architecture



Restful API : Django 2.1 + Django-rest-framework

- latest version
- out-of-the-box serialization and routing

Document Processing

- Generate invoice pdf dynamically from html template
- Read + extract uploaded pdf invoices (multiple) + capture details to create DB entries.
- Create directory to upload invoices to and batch process them as a cron job or supervised job in intervals, while removing old uploads. (Multi processing)