

# Abstract

Topic : Rural Development

## Problem Statement

Apart from agriculture, many people in rural areas rely on village and small industry sector. This sector includes khadi, handloom, handicraft, powerloom, traditional textile e.t.c., industries. There are many problems faced by these industries. Some of them include

- Promoting the products of these industries.
- Showcase and exhibition of the products.
- Recognition of the makers.
- A fine marketplace for the products, etc.

But in the current era of computing and internet, there is a higher chance of finding an innovative approach to address these issues and help increase the revenue of these small scale industries in rural areas, thereby increasing the economic growth.

## Idea

By considering the class of users who use smartphones and internet in rural areas ( making an approximate 18% ) and urban people who visit the villages/hometowns. A mobile/web application can be made where these class of users when visited the village and small scale industries shall be able to take the photos of the maker and products, other necessary information and tag the photos with the geolocation and post to the system i.e., in the application. The system makes a unique page ( like a wall in social networking applications ) for each and every village where the posted details of the products and makers are showcased. This facilitates the users of the application to see the different products, makers of those products in different villages. This system also provides a feedback and a report mechanism to assure the quality and genuineness. Hence acting as a perfect medium to showcase and exhibit products, promoting makers and creating a marketplace. Also the geolocation posted with information helps to find the maker with ease.

## Extensions

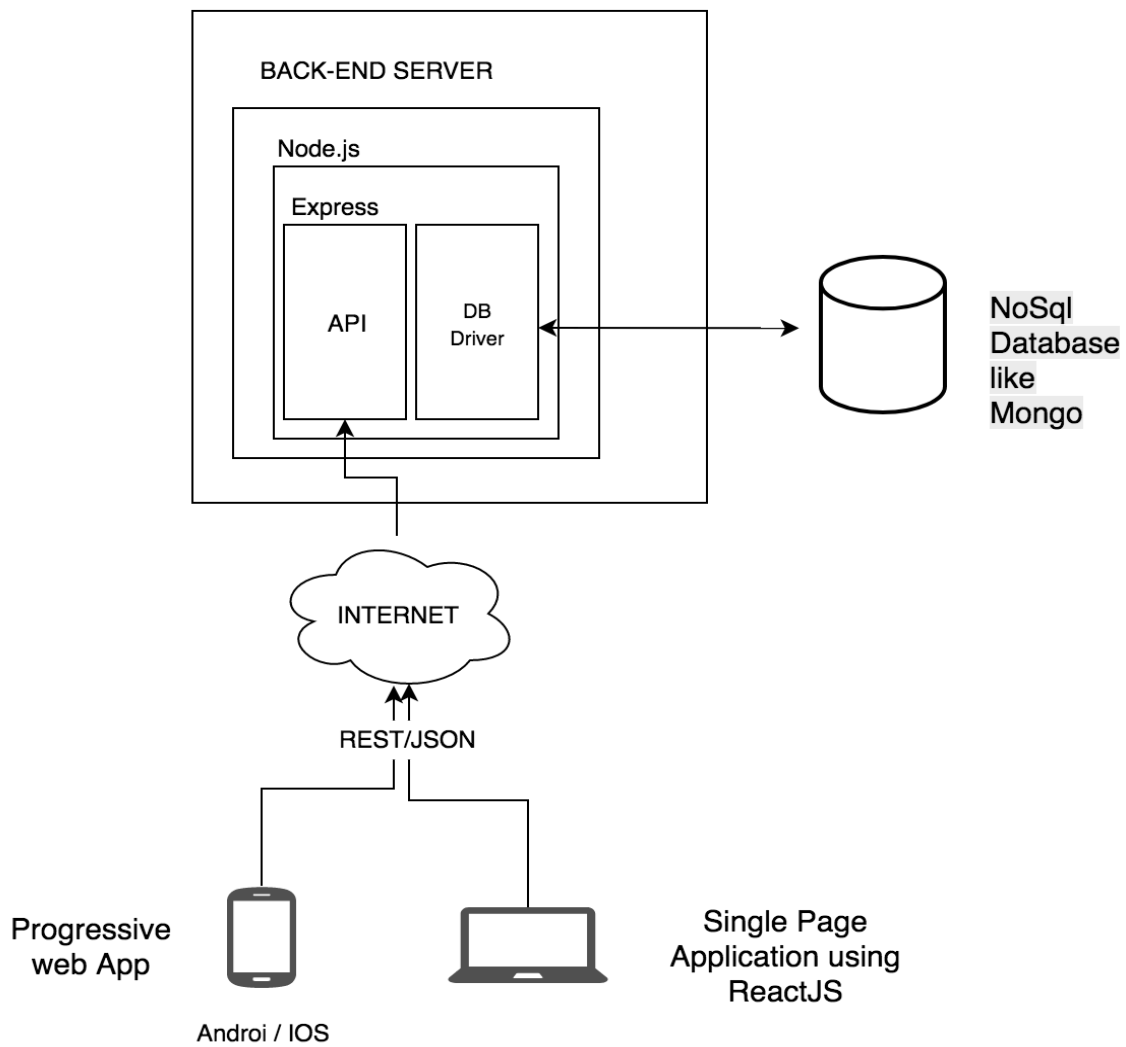
A public dashboard in the system can also be created where all the data about different small scale industries in the villages across India can be analyzed and shown with different types of graphs. This data collected is very useful in economic growth of India.

## Dependencies

- Active internet connection to post.
- A smartphone or computer device.
- Able to geotag the photos.

## Implementation

### Technical stack



## Use Case

- Users are able to post the makers and product information onto the wall only after authentication
- Any general user can view the posted information but can only report or feedback after authentication

### Basic use case diagram

