

CASE STUDY: DOMONDO

DOMONDO

Technical Specifications

Programming: ASP.Net, Angular, AJAX

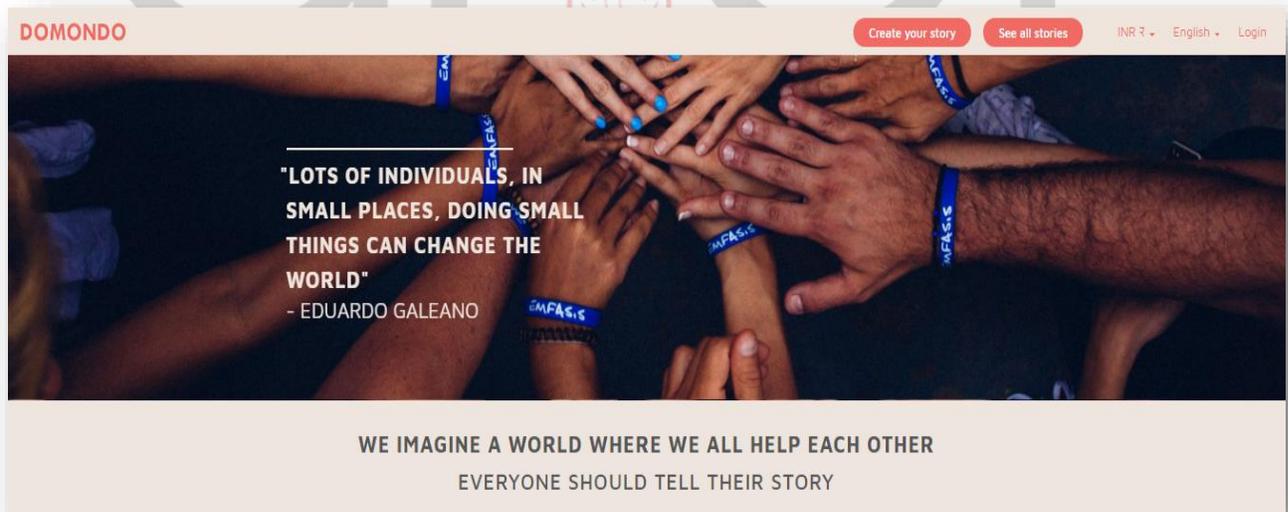
CMS: Umbraco

Database: MySql

Design: HTML5, CSS3, Bootstrap, jQuery

Cloud Services: AWS, Lambda functions

Background:



Domondo is a crowd-funding or collective financing website that allows stories to receive help through likes, shares and online donations. The stories receive world wide support because Domondo translates stories automatically into 100 languages

and accepts donation in 130 currencies.

There is a section from where users can add their stories related to Healthcare, Sports, Charity, Animals, Family, Communities, Emergencies, etc.

Further there are 3 ways by which people can help a story or victim i.e. by liking, sharing or donating to the particular posts.

The Problems and Challenges:

The client approached Ariel Software Solutions Pvt. Ltd. with a raw idea and no specific details to build a platform having crowd funding as the main objective.

The main problems or challenges we came across while working on this project were:

- Configuration of the AWS lambda with Docker container.
- CI/CD Pipeline in automating the steps for the delivery process.
- Issues while working with Mercado Payment Gateway (New Zealand), which is the only payment method suggested by client to be used for donations.
- Managing everything on different platforms such as desktops, iPhones, iPads.
- Integration with Umbraco CMS.



The Solution:

For an efficient delivery, we had a discussion with the client to gather as much details as we could in order to deliver the best possible solution as per his expectations.

When we started working on this project AWS and CI/CD Pipeline were quite new to us but our team did a lot of hard work to get familiar with this new technology and finally resolved all the issues that were coming along.

As we worked on Angular 1.x, it was a bit challenging task to manage everything on different platforms, to overcome this problem we wrote some custom functions for various events such as touch, scroll, swipe etc and hence made it compatible with desktops, iPhones, iPads, and Android devices.

For the payment gateway, we actually customized the module to make it compatible with the AWS Lambda API. Considering the security aspect, we developed payment token at the front end.



Results:

Upon completion, the final deliverable is a fully functional crowd-funding application where the story tellers/victims are able to post their stories related to health, sports, animals, etc. and raise funds for their respective issues.

The transactions work absolutely fine with proper security and hence users are donating money without having any transactional issues.

