



## Tell us what your idea is.

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The idea goes by the name “Storyteller” and enables you to write awesome blogs & journals without having any exceptional writing or blogging skills and without spending hours on preparing your content. All the non-trivial tasks such as collecting data, facts, and events, assorting them, making them presentable, etc will be taken care of by the App. You just have to choose some suggestions and answer a few questions and the app will put things together for you and you will have your own personalized blog or journal ready.

The Motivation: Blogs inspire, educate, inform, help us plan better. E.g. best places to eat, the best ways to get around, reviews, itineraries, etc. It still remains one of the most meaningful ways to share our experiences. However, it takes some effort and diligence. The Storyteller helps by making the process of writing a Blog/Journal a much easier, intuitive and natural task.

Use of Machine Learning: Location, timeline, and photos will be used as primary inputs.

Location will source associated information like weather, popular keywords, general facts about the places, etc. Photos will enable recognizing context, people, activities, monuments, landscapes, etc. And finally with a general set of templates/patterns of blogging/journaling styles combined with the application of natural language generation the app will perform the tasks of assorting events and pictures, adding descriptions and captions and eventually build up a story to share with the world. Additionally, user’s edits and corrections in turn will be a means to further train the model.



## Tell us how you plan on bringing it to life.

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The app is in the design phase at this moment. For the time being there exists only an empty project in the submitted GitHub repository.

I would need Google's help in terms of not reinventing the wheel with regards to certain implementations in existing google apps. E.g Timeline feature in google maps, persons tagged in google photos and so on. Most importantly support and guidance in general to solve problems and hindrances that would be encountered in the development journey.

Potential Google On-Device & Cloud ML technologies that would be put to use would be Image labeling, Object detection, Landmark recognition, RNN to name a few.

Timeline of project completion up to May 1, 2020.

### Week 49:

Prototyping a simple user journey + quick user test & validation

Project setup with all dependencies in place.

### Week 50 to 52:

Define a set of templates/patterns.

Identify and retrieve all necessary data from the inputs.

### Week 1 to 5:

Start building the algorithms. (In guidance with google experts)

UX steps in.

The aim is to have a minimalistic working app by the end of the Month.

### Week 5 to 9:

Start training the model. (In guidance with google experts)

Test and validate outcomes with a varied range of data.

The aim is to make the app minimally self-learning by the end of the Month.

UX improvements continue.

### Week 9 to 14:

Work on findings and/or Improvements and/or issues. (In guidance with google experts)

Buffer for unaccounted/unforeseen/unfinished tasks if any.

Make a short trip as a field test and evaluate the outcome.

### Week 14 to 18:

Finalization phase: Further refine, polish, test & fix



## Tell us about you.

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My journey of building Android apps is 9 years long and only getting more exciting by the day. I have learned and grown a lot over the years building apps for big names like Booking.com, KLM airlines, Rabobank, Aegon Financial Services to name a few.

Currently working as a freelancer and as my next move want to totally immerse myself into the vast and dynamic world of machine learning.

Aside from my work I am a huge travel enthusiast (23 countries and counting) and an avid foodie. However, when it comes to writing and journaling my travels I belong to the lazy majority. That is all the more the reason and motivation for me wanting to build this app so as to make the rewarding exercise of journaling our travels and experiences a much more easier, intuitive and natural task for everyone.

Note: I will be working on this project in collaboration with a fellow ML enthusiast developer buddy who specializes in Data Structures and Algorithms.