

ATLAS MADNESS: HACK MONGODB ATLAS ON GOOGLE CLOUD 2023

Dragon Tales

UNLEASHING YOUR IMAGINATION

By Team Inevitables

Content Walkthorugh

Introduction

Features

Demo

Dragon Tales

Design Workflow

Futurescope

Introduction

During our childhood, there was an animated series called Dragon Tales that revolved around a medieval land. The storyline followed a group of children who would enter Dragonland and embark on adventures by drawing in a storybook using a dragon scale.

When Atlas and GCP announced the **Atlas Madness hackathon**, we thought of how we can bring that experience to today's kids and readers by leveraging the power of **generative AI**.



Enter the world of **Dragon Tales**



AN OVERVIEW

Dragon Tales is an innovative storytelling platform that brings together the art of storytelling and the power of AI. By harnessing OpenAI's **ChatGPT**, it generates personalized and diverse tales, captivating users with every story.

With features such as **Read Aloud**, **Generate Stories**, and the **Stories Hub**, Dragon Tales offers a unique, immersive, and engaging experience that transcends the boundaries of traditional storytelling. From children seeking fantastical adventures to adults desiring a brief escape, Dragon Tales offers something for everyone.

Explore the magic, venture into the unknown, and discover the power of AI-generated storytelling with Dragon Tales.

Features of **Dragon Tales**

"**Dragon Tales**, where AI meets imagination to craft your unique storytelling experience."

Generate Stories

Dragon Tales leverages the power of **ChatGPT** API calls to craft enchanting stories. Users can enjoy a unique storytelling experience each time, with the choice of random adventures or personalized tales based on their preferences.

Read Aloud Feature

With the read-aloud feature, you can sit back and let Dragon Tales narrate your chosen story. Our innovative **text-to-speech** integration not only enhances accessibility but also adds an extra layer of immersion to your storytelling journey.

Stories Hub

The Stories Hub is your **personal library** within Dragon Tales. Here, you can easily navigate through all your stories, revisit your favorites, or explore new tales, giving you total control over your storytelling adventure.

Surprise Me!

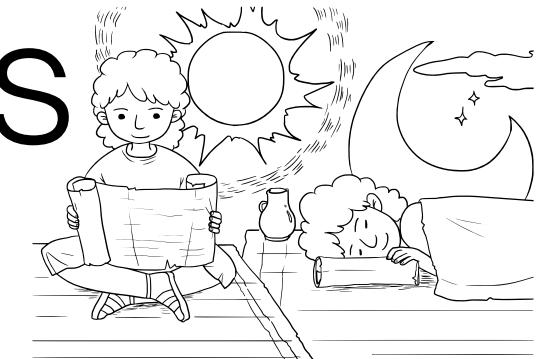


The first option is "**Surprise Me**," where the system generates a random story to inspire creativity, based on a random theme. The story is then presented to the user.

The story is displayed in a highly legible format, suitable for readers of all ages, be it children or adults.

Additionally, an option to have the story read aloud is provided, allowing users to listen to the audio version.

Personalised Stories



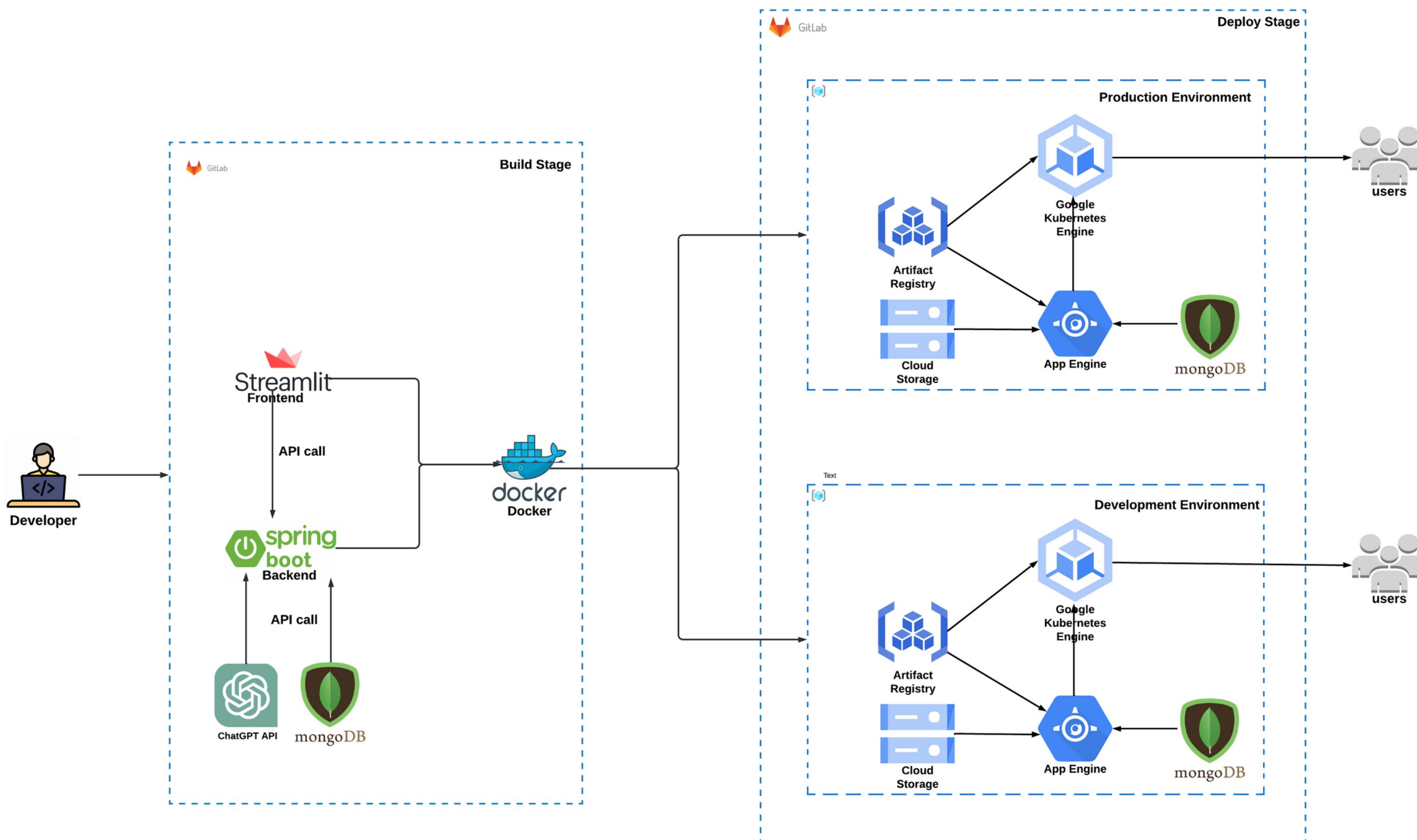
On the **personalized story** page, we offer users the opportunity to customize the story according to their creative preferences.

Here, users have the ability to become the protagonists of their own stories by selecting their hero name. They can also choose the genre, stage or setting of the story, objective, obstacles, and how the climax should unfold.



Design Workflow

Architecture Diagram for Dragon Tales



Tech-Stack

Google Cloud Resources

- App Engine
- Artifact Registry
- Cloud Storage
- GKE - Cluster, Node Pool, VPC
- IAM for creating service accounts

Front End Development

- Streamlit Python

Infrastructure Management

- Terraform
- Terraform Cloud

Database Management

- MongoDB Atlas

Back End Development

- Spring-Boot Java Application
- Chat GPT API

Demo Session

Access the demo here
<https://youtu.be/isWk6O8Fc-c>

Future of Dragon Tales

Keeping Pace with AI

As AI and language models continue to evolve, so will Dragon Tales.

We're committed to harnessing the latest advancements to bring more magic, more stories, and more adventures to our users.

Personalized Recommendation System

We plan to introduce a system that tailors stories based on user preferences and history, further enhancing the personal touch of Dragon Tales.

Multilingual Support

In our quest for inclusivity, we will expand our support for multiple languages, opening Dragon Tales to a broader, diverse audience worldwide.

Sharing and Discussion Feature

We envision fostering a Dragon Tales community by introducing features that allow users to share and discuss their favorite stories.

Meet the Inevitables



ARJUN RAJ
DevOps Engineer



AKHIL M ANIL
DevOps Engineer

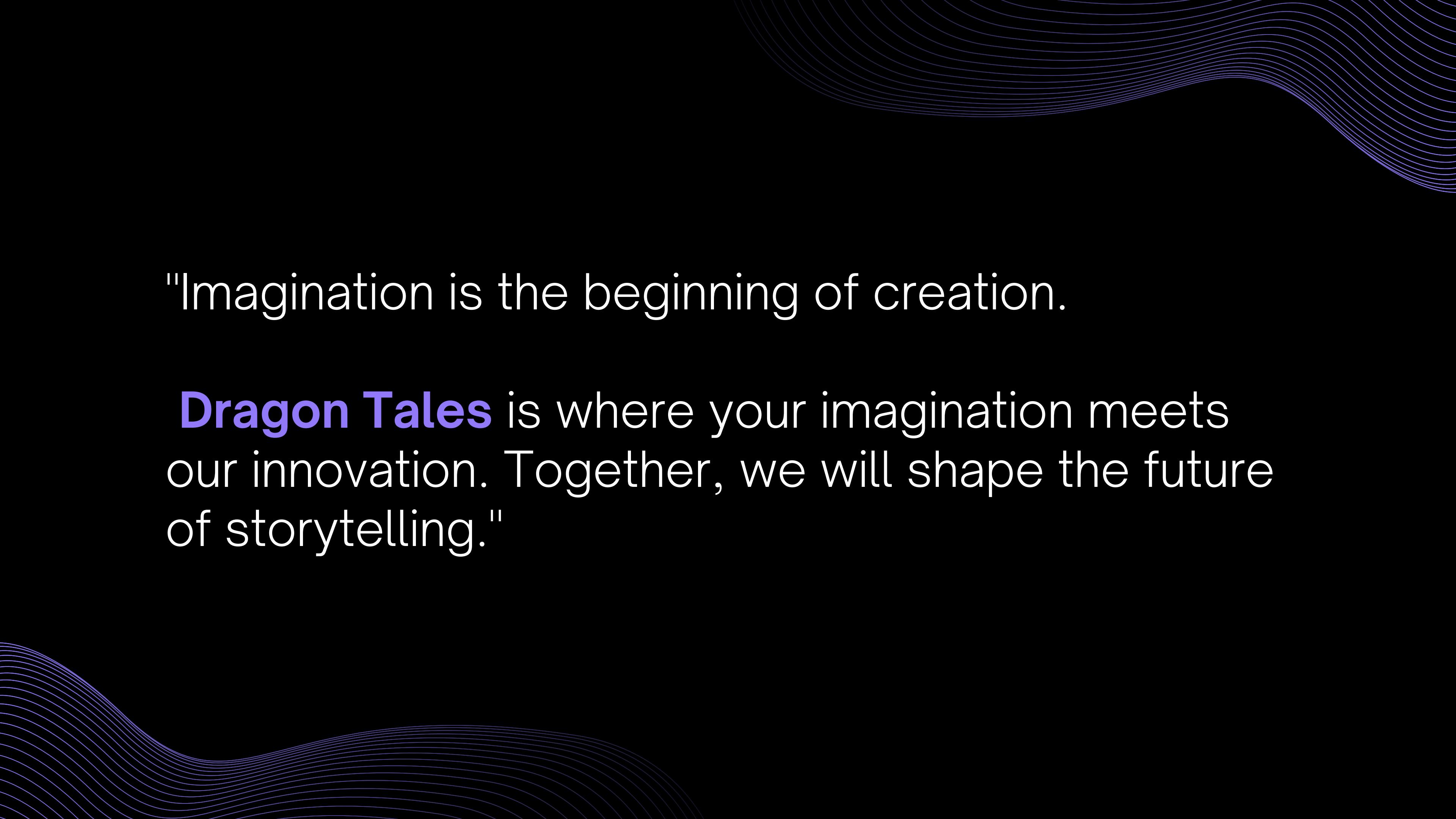


AKSHAYMON K V **AKSHAY V ANIL**
Front-End Developer Back-End Developer



Reference Links:

- **Github Repo:** <https://github.com/ArjunRAj77/Dragon-tales>
- **Dragon Tales site:** <http://35.224.204.110/>
- Demo Video : <https://youtu.be/isWk6O8Fc-c>



"Imagination is the beginning of creation.

Dragon Tales is where your imagination meets our innovation. Together, we will shape the future of storytelling."

Thank You!"

TEAM INEVITABLES