

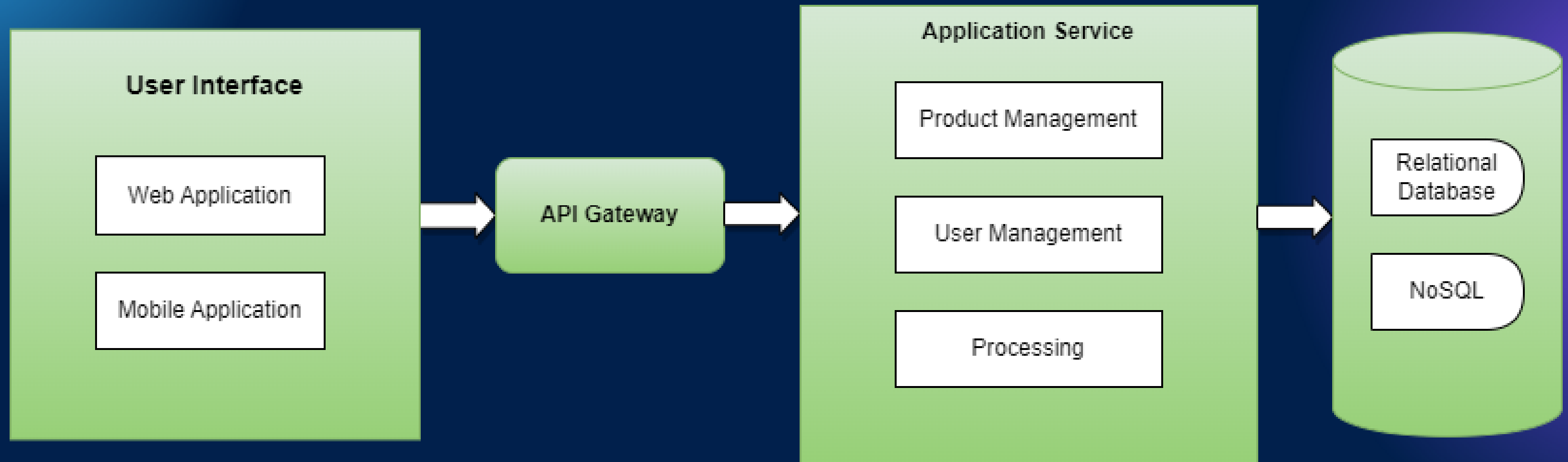
# INTRODUCTION

- Creating an e-commerce application on IBM Cloud Foundry involves deploying a web-based platform selling products or services.
- IBM Cloud Foundry is a Platform as a Service (PaaS) offering that simplifies the deployment and management of web applications.
- These applications provide a virtual marketplace where customers can browse, select, purchase, and sometimes even review products.

# Solution

- Creating an e-commerce application on IBM Cloud Foundry involves several key steps. Firstly, sign up for an IBM Cloud account and set up a Cloud Foundry space to serve as our development environment. In this space, We'll develop our e-commerce application, encompassing both the front-end and back-end .
- To store product data, user information, and orders securely, integrate a compatible database service like IBM Db2 on Cloud or PostgreSQL. Then, create a manifest.yml file to define deployment settings and use the IBM Cloud Command-Line Interface (CLI) to push our application to Cloud Foundry. Establish backup and continuous integration/continuous deployment (CI/CD) strategies for automation.

# Approch



# Techenology Stack

STACK	TECHNOLOGY
Front End	React Native
Back End	React
Data Base	Mongo DB
Recommendation	Machine Learning
API	Rest API
Cloud Service	IBM Cloud

# Conclusion

This cloud platform provides several key advantages for e-commerce:

- **Scalability:** IBM Cloud Foundry allows businesses to easily scale their e-commerce applications up or down to meet varying demand.
- **Reliability:** IBM Cloud Foundry is designed to provide high availability and reliability, ensuring that e-commerce applications are accessible to customers 24/7.
- **Developer-Friendly:** IBM Cloud Foundry provides a user-friendly environment for developers, supporting various programming languages, frameworks, and libraries.
- **Security:** IBM Cloud Foundry places a strong emphasis on security.