INTERNSHIP

at

pathao

Moving Bangladesh

CONTENT

ABOUT PATHAO

Started Journey
Parcel delivery service across Dhaka in 2015

Goal
Solve the country's most challenging problems in logistics & transportation

Platform
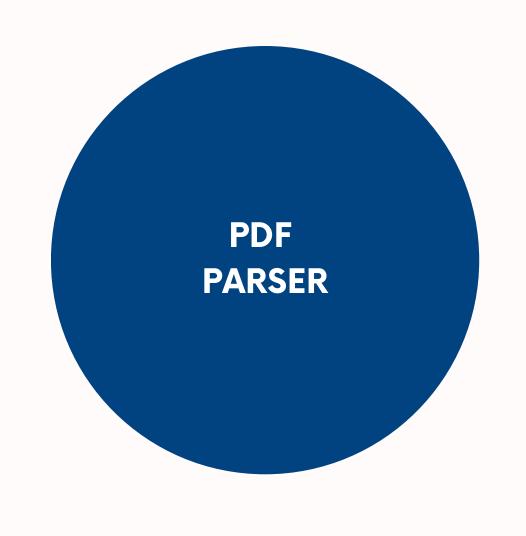On Demand Digital Service Provider

PATHAO PRODUCTS

RIDES

FOOD

PARCEL

COURIER

SHOP

PHARMA

DIGITAL PAYMENT

BUY NOW PAY LATER

TONG

MERCHENT DASHBOARD

DATA ENGINEERING TEAM

O1   WAREHOUSE MANAGEMENT

O2   ETL PIPELINE MANAGEMENT

O3   COLLABORATION WITH DATA ANALYSTS AND SCIENTISTS

O4   ACCESS MANAGEMENT FOR BIG QUERY

O5   BUILDING DATA PRODUCTS

O6   HANDLING DATA DRIVEN BACKEND SERVICES

SERVICES

PDF PARSER

01 PYTHON

02 PYTHON FILE READ AND WRITE

03 ETL PIPELINE (EXTRACT, TRANSFORM AND LOAD)

01   EXTRACT DATA FROM THE PDF

02   FORMAT THE DATA PROPERLY

03   TRANSFORM DATA INTO ACCEPTABLE MODEL

04   UPLOAD THE DATA INTO OUR DATABASE

SEARCH BENCHMARK

01   SQL

02   BIG QUERY

03   ELASTIC SEARCH

04   PYTHON

05   FILE READER, FILE WRITER

06   PYTHON CALLBACK & REDUCE FUNCTIONS

07   MULTI-THREADING IN PYTHON

08   BASIC F1 SCORING

O1 QUERY FROM BIG QUERY TO FIND SEARCH KEYWORDS BY USER

O2 FIND THE RESULT SELECTED BY THE USER

O3 LEARN ABOUT ELASTIC SEARCH TO UNDERSTAND THE SERVICE

O4 CALL API WITH THE SEARCH KEYWORD AND MATCH THE RESULT

O5 STORE THE RESULT

O6 GENERATE A SCORE BASED ON THE OUTPUT

MAP ENHANCEMENT TOOL

O1 SOFTWARE DEVELOPMENT LIFECYCLE

O2 ADVANCED JAVASCRIPT CONCEPTS

O3 VUEJS, VUEX, VUE ROUTER

O4 GOLANG

O5 ECHO FRAMEWORK

O6 GO ROUTINES

O7 GIT FLOW

O8 CODE REFACTOR

O1 LETS USER UPLOAD A CSV FILE CONTAINING NEW ADDRESSES

O2 VALIDATES THE ADDRESS GIVEN BY USER

O3 UPLOADS DATA INTO A DATABASE

O4 RUNS A BACKGROUND PROCESS THAT UPLOADS THE APPROVED DATA INTO ELASTICDB

O5 LETS THE USER UPDATE ALREADY EXISTING DATA INTO OUR MAP

O6 ADDED A MAKER CHECKER VALIDATION WHERE ONLY ADMINS CAN APPROVE INSERTION, UPDATE AND DELETION

THINGS I LEARNED

TOOLS
&
TECHNOLOGY

01 JAVASCRIPT

02 VUEJS, VUEX

03 PYTHON

04 GOLANG

05 GO ROUTINES

06 ECHO FRAMEWORK

07 SQL

08 BIG QUERY

DEVELOPMENT LIFECYCLE

O1 PLANNING

O2 REQUIREMENT FINALIZATION

O3 DEFINING ITERATIONS

O4 BUILDING A HIGH LEVEL DESIGN

O5 CODING

O6 TESTING

O7 BUG FIXING

O8 DEPLOYMENT

GIT FLOW

01 GIVE SMALL AND CONCISE COMMIT

02 COMMIT MESSAGE FORMAT

03 DIVIDING FEATURES INTO BRANCHES

04 PULL REQUEST WITH PROPER MESSAGE

05 AVOID GIVING LARGE PULL REQUESTS

06 CODE REFACTOR BASED ON REVIEW

07 PUSH REFACTORED CODE

AGILE METHODOLOGY

01   REGULAR STAND UP MEETINGS

02   SPRINT PLANNING

03   SPRINT RETROSPECTIVE

04   BACKLOG MANAGEMENT

05   ADD NEW TASKS IN JIRA BOARD

06   UPDATE STATUS OF TASK

07   KEEP THE JIRA BOARD UPDATED

THANK'S
FOR
WATCHING