MD. MONIR HOSSAN

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About Me

I am a self-driven, motivated and passionate individual with more than 3 years of professional experience in building web apps using Django, DRF, Nest js, Celery, Docker, gRPC, Kafka and many more as well as building AI base customer chatbot using Rasa framework. I am interested to work on all of the above mentioned technologies including new ones.

My desire is to work as a software engineer (Backend) with a passion for developing innovative programs that expedite the efficiency and effectiveness of organizational success.

It would be a great pleasure for me to work in such projects that will always benefit peoples.

Github:
@MDMONIRHOSSAN

LinkedIn:
@MdMonir

Portfolio:
md-monir-hosssan-portfolio.herokuapp.com

Highlights

- Very good work ethics and time management.
- Able to work MAC, Linux Windows Operating system.
- Able to work on different circumstances effectively and efficiently.
- Good troubleshooting capability.
- Very loyal to the company.
- Idea generation capability.
- Very good at writing nice & clean code.
- Good oral and writing English ability.
- Ability to take heavy workload.
- Good communication skill.
- Former Sub-Executive in NSU ACM Student Chapter.
- In charge of TECHNOVATION event that was held at NSU in 2018.
- Lead all academic projects as team leader.
- Good at building customer chatbot.
- Primary knowledge of machine learning.

Work Experience

Software Engineer (Full Time)
Circle Fin Tech Ltd | July 2021 - Present

Circle Fin Tech aims to introduce payment products and services that can be utilized by Banks and Financial institutions alike to provide to their customers. Circle Fin Tech also Bangladesh's open banking enable and payment rails provider.

As a software engineer my job was to solve various issues related to concurrency and race conditions in the existing banking app with senior engineers.

Working on a payment gateway system that is a huge distributed system with over 150 micro services and is developing with Node and Nest js framework.

Technologies: Python3, Django, DRF, Celery, Node js, Nest js, Typeorm, Graphql, Rest, gRPC, Kafka Keycloak, PostgreSQL, Yugabyte, Docker, DockerHub etc.

Senior Software Engineer (Part Time)
cWork Microjob Ltd | June 2021 - April 2022

cWork is a platform that allows you to employ thousands of people to complete small tasks like data collecting, survey, and content writing. You can create almost any task you can imagine that can be accomplished using a mobile app.

As a senior software engineer my job was to solve all existing bugs, add new feature, automate some features, make changes on data flow, add new authentication system, developing some small services for clients.

Technologies: Python3, Django, DRF, PostgreSQL, Heroku, Javascript, jquery, Bootstrap, Youtube API etc.

Key Skills

Advance:
Python, Django, Django Rest Framework, HTML, CSS, Bootstrap, Rasa, Flask, GitHub, Nest Js, Celery, Typescript.

Intermediate:
Graphql, gRPC, Kafka, Docker, JavaScript, jQuery, Heroku, Bit bucket, Git Lab, SQLAlchemy, MySQL, PostgreSQL, Celenium.

Primary:
React, Machine Learning, MongoDB (Atlas), Angular, Web Scraping, PHP, Swift, Kubernetes.

Other Skills:
Firebase, Celery, Sendgrid, Port Wallet, AWS S3, Jira, Zoho People, Zoho Sprint, Trello, SLack.

Software Engineer (Full Time)
English Essence Limited | October 2020 - May 2021

English Essence is a communicative English learning app. There were 100s of different types of quizzes so that anyone can practice them on the go along with 100s of video and audio lectures for IELTS, TOFEL, Spoken, and Grammer preparation. There is also a group communication system that will allow anyone to keep practicing English with his/her peers.

As a software engineer my job was to built the entire infrastructure of the back-end system within a short period of time from scratch & design a teacher's dashboard from the scratch.

Technologies: Python3, Django, DRF, Docker, Celery, Heroku Container Registry, JavaScript, Bootstrap, Shell Scripting, SendGrid, YouTube API, Redis, Firebase, Amazon S3, Swagger etc

Mobile App link: play.google.com/store/apps/details?id=com.english.essence

AI Base Customer Chat bot (Project Based)
Rokomari

Rokomari.com is now one of the leading e-commerce organizations in Bangladesh. It is indeed the biggest online bookshop or bookstore in Bangladesh that helps you save time and money.

My job was to build contextual AI assistants that really help customers. Automate the entire FAQ section of Rokomari & customer care service partially. Customers will get a great user experience and get their answers quickly. Besides FAQ connect their backend system to the bot so that customer can track their order status, and can connect to the live agent.

Technologies: Facebook API, Python3, Docker, JavaScript, Rasa 1.x, Heroku

Bot Link: https://www.messenger.com/t/110127826121225/?messaging_source=source%3Apages%3Amessage_s

cWork Microjob Limited
Jr. Software Engineer (March 2020 – June 2020)

cWork is a platform that allows you to employ thousands of people to complete small tasks like data collecting, survey, and content writing. You can create almost any task you can imagine that can be accomplished using a mobile app.

My job was to maintain a previously created backend system and fixing bugs that were developed with Django Rest Framework for clients. Add new functionality to the backend system. Create and Integrate new API's into customer Chatbot. Maintaining a previously created dashboard system for clients and fixing bugs that were developed with Angular framework.

Doctorapa (Not Available)
The DoctorApa is a chatbot that replies to common questions about Covid-19-related information from authentic sources to prevent misinformation. Also provide all covid-19 case-related information for the entire world and country wise such as total number of infected, deaths, recovered, newly infected, new recovered etc.

App Link: play.google.com/store/apps/details?id=com.couponapp.couponapp.cwork&hl=en&gl=US

Academic History

North South University Dhaka (2015 – 2020)
Bachelor in Computer Science and Engineering (CSE)
CGPA: 3.32 out of 4.00
Major In Machine Learning (ML)
Former Sub-Executive in NSU ACM Student Chapter.

Bangladesh Navy School & College, Chittagong (2014)
Higher Secondary School Certificate (Science)
GPA: 4.80 out of 5.00

IOS Intern & Web Designer (Part Time)
Yoda | November 2018 - August 2019

Yoda is Bangladesh's first tech enabled platform that connects students and teachers directly and cuts down on the middleman; be it in person, or online.

My job was to design IOS mobile application using swift. Integrate backend server API in IOS application. Design modern web pages using HTML, CSS & Bootstrap.

Mobile App link: play.google.com/store/apps/details?id=com.english.essence

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Some Academic Projects

Senior Design Project
Cost and Time efficient an AI Base Visual Recognition web application which detects red blood cell diseases.

Web Link: https://deploy-rbc-test.herokuapp.com/

- Development
  - An AI model has already been developed that detects Malaria with the accuracy of 97%. In the background, the microscopic image is then directly input to the system. As output every infected & non-infected cell are labeled as their respective diseases and provide a quantitative understanding of level of severity.
  - A web application which resides an AI Base Visual Recognition System.
  - Implemented in Flask framework.
  - Design Rest API for Mobile Application.

Internet and Web Technology

Web Link: https://online-travel-tours.000webhostapp.com/

Online Travel and Tour Agency using HTML, CSS, Bootstrap 4, JS, jQuery, PHP

Software Quality Assurances & Testing

- Generate HTML format Resume using Java & JavaFX as well as Unit Testing.
- Black box testing of a website using Selenium framework in Java.

Personal Projects

Home Decorate
A fully functional E-Commerce web application with paypal payments intergration for logged in user and guest user checkout capabilities.

Web Link: https://online-store-5005-test.herokuapp.com/

- An online store web application for home decoration.
- Developed on Django framework.
- Registered users have coupon facility, if the user is registered & has a valid coupon then that user will get discount on total amount.
- After completing checkout process an confirmation email will be sent to user email.

Basha Khujchi (Beta Version)
A smart and time efficient web application for home rental system of Bangladesh to find houses in a smart way.

- A web application for home rental system of Bangladesh.
- Developed on Django framework.
- There is a communication system in this project by which both tenants & house owners can communicate with each other via this system.
- The system is the simplest solution to the rental system. It will reduce hassle & save time for both tenants and house owners.