Parth Dubal

Python Developer/Software Developer

Profile

- A self-motivated, hardworking and passionate software developer aiming to have a position that will allow me to explore career options in IT sector.
- Detailed oriented professional with experience in **PYTHON DEVELOPMENT.**
- Seeking to take the next career step with respected organization dedicated to world class quality.
- Born leader and programmer with the ability to lead teams to process and manage large volumes without compromising service or quality.

Employment History

Full Stack Developer at UnLock Math Inc., Peterborough

April 2018 — Present

Being the sole developer in the company, my goal is to create interfaces for our new system utilizing Microservices, ReactJS + Sass, back end using Flask and Rest APIs, database utilizng PostgreSQL. The main focus is to create a flexible and scalable system with reusable components that could be used in future projects.

- Worked 20 hours per week while attending college full time from December 2018 to May 2019 and later 40 hours per week.
- Using my extensive experience with front end and back end development to define the structure and components of the project, making sure they are reusable and optimized.
- Keeping the code quality high and looking for more improvements.
- Meeting both technical and consumer needs.
- Staying abreast of developments in web applications and programming languages.
- Furthermore, ML and AI is going to implemented soon to trace student's progress and recommending the students which course to pursue.
- Completed 50% of the project within 6 months working alone.

Technology Used:

Python, Flask framework, APIs, Microservices, Docker, SQLAlchemy, PostgreSQL, HTML, CSS, JS, jQuery, Jinja2, Bootstrap, React.JS, ReactStrap

Details

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Skills

Python

Flask

Django

React

JavaScript

Linux

SQLAlchemy

Bootstrap

IoT

HTML5

CSS

PHP

Database Management

Cloud Computing

Data Structures

Git

Docker

Microservices

Languages

English *Highly proficient*

Gujarati *Native speaker*

Hindi *Highly proficient*

Python Developer at 4site.ai., Toronto (Remote: Peterborough)

June 20202 — Present

- Developing APIs and integrated test units
- Making sure the security and integrity of the website is up to date
- Working closely with frontend developers

Technology Used :

Django, Django rest framework, Python, Docker, Git, Heroku, PostgreSQL

PHP Developer at ABM Sensors Technology (Temp. Contract)., Peterborough, ON

November 2019 — January 31st, 2020

- Core PHP development without any framework.
- Adding new functionalities in the existing code and optimizing it simultaneously.
- Normalizing the database for faster CRUD operations.
- Tweaking the current views and rendering them in a responsive manner with the latest Bootstrap version.

Technology Used:

PHP 7.1, PostgreSQL, HTML, CSS, JS, Bootstrap, jQuery

Python Developer at Acespritech Solutions Pvt. Ltd., Gandhinagar, IN

April 2016 — April 2017

- Developed IoT mode using Raspberry Pi and MFRC522
- Developed module in Odoo Open ERP
- Developed a program that can read data from MFRC522
- Developed an API to establish communication between Raspberry Pi and Odoo
- Worked with PostgreSQL and Node.js

Technology Used:

Python, Odoo Open ERP, SQLAlchemy, PostgreSQL, HTML, CSS, JS, jQuery, Jinja2, Bootstrap, Node.JS, Raspberry Pi, MFRC522

Projects

Amazon Clone - (Under 5 days) Sept. 2020

- Developed the frontend using React.js and Context API

- Used Firebase in the backend and deployment

- Used Stripe for basic Payment functionality

- Developed APIs for payments

- Live demo: https://clone-c18a0.web.app/

Technology Used:

React.js, Firebase Authentication, Firebase Functions, Firebase Cloud Firestore, Firebase Deployment, Node.js, Express.js, Axios, Stripe Payment System

Data Scrapping, Analysis and ML (College's Capstone Project) – March 2019 – April 2019

- Scrapped Apple's, Microsoft's, IBM's, Amazon's and Facebook's stock data from the Nasdaq's website using Python's BeautifulSoup library

- The data covers all the information about the stock such as opening, closing, high, low value of the stock, day, month, year and time.

- Furthermore, I did analysis on the data to find the trend and nature of the stocks using Python

- The analysis contains statistical computation on the data with useful graphs.

- Finally, implemented 3 machine learning algorithms: Linear Regression, K-Nearest Neighbors and Logistic Regression algorithm on the data to predict future values.

Technology Used:

Python 3.6, BeautifulSoup, Anaconda

SmartVent IoT Project – Free Lance Project - 2017-18

- Developed a small android application that can control the movements of the vent

- Used Arduino Mega, Adafruit Huzzah ESP8266, LM35 and TMP36 temperature modules.

- The temperature modules will sense the temperature and will update the real time data on the Firebase database.

- Arduino Mega will catch the data from the Firebase database using the Adafruit Huzzah ESP8266.

- The android application will display the current temperature and will provide a functionality to turn on the heating vent or the cooling vent. In addition to this, it will also provide functionality to set the desired room temperature.

- Once the user sets the desire temperature, it will send the data to Firebase and Arduino will catch the data. Using that data, it will instruct the Servo Motors fitted in the vent to open or close in certain degrees set by the algorithm.

Technology Used:

Android using Java, Google Firebase Database, Adafruit Huzzah ESP8266, LM35, TMP36, Servo Motors

Education

Bachelor of Computer Applications, Gujarat University, Ahmedabad, IN (8.6/10 GPA)

July 2014 — April 2017

Post Graduation Diploma, Sir Sandford Fleming College, Peterborough, ON (3.88/4 GPA)

September 2017 — April 2019