GABRIELA SEWDHAN

SOFTWARE ENGINEER, FULL-STACK DEVELOPER AND DATA SCIENTIST

PROFILE

Experienced Software Engineer, Full-Stack Developer and Data Scientist with degrees in Computer Science and Psychology possessing a strong technical and artistic background in backend, software and graphic design. Talented at working effectively in collaborative and self-motivated environments.

CONTACT

+1(868)496-5529

12 A, Sunset Avenue, Dumfries Road, Rambert Village, Trinidad and Tobago

gabiems13@gmail.com

SKILLS

Backend Skills: MySQL, Oracle SQL, Javascript, PHP and Server-side programming with Python, NodeJS, GoLang, Docker and Kubernetes.

Frontend Skills: React Native and Expo, ReactJS, PreactJS, Django

Amazon Web Services, including Serverless Deployment (and YAML) and CloudFormation, EC2, Elastic Container Service, Amazon Lex. Experienced in Cloud Infrastructure.

Python:
Scikit-learn, Tensorflow, OpenCV, Knowledgeable in software and algorithm design, data structures and software testing

Practised in Git, JIRA and Continuous Integration

Data Science: regression models, Pandas, NumPy, Data Visualization with Plotly Dash, Seaborn and Matplotlib

Adept at explaining complex topics to individuals of various technical backgrounds.

Able to effectively disperse tasks to project members that best suit their skills, and interests.

IMPORTANT LINKS

Website - https://gabrielazoe.me/
GitHub - https://github.com/GabrielaSewdhan
LinkedIn - https://www.linkedin.com/in/gabriela-sewdhan-3ba495120/

REFERENCES

Professor Patrick Hosein, Senior Lecturer, Founder and Director, *UWI | TTLAB*
+1 (868) 483-4454

Major Pernel Roberts, Senior Manager, Strategic Analytics and Performance, *TSTT*
+1 (868) 686-0782

Aviel Jailal, Strategic Analyst, *TSTT*
+1 (868) 761-0182

Louis Kinley, Chief Technical Officer, *Persisto Labs*
+1 (868) 343-9638

WORK EXPERIENCE

DATA SCIENTIST AND SOFTWARE ENGINEER @ TELECOMMUNICATION SERVICES OF TRINIDAD AND TOBAGO

November 2019 – October 2020

- Developed an Admin interface for managing users, roles and permissions.
- Performed extensive analysis on team and organisation productivity data via aiding in the development of a Figure of Metric (FOM) measurement, mathematical model, and a Productivity Dashboard during COVID-19.
- Worked closely with the stakeholders in designing and developing the look and functionality of these interfaces to fully meet their requirements.
- Employed a recommender system to improve customer retention and long-term profit optimization via recommending and creating personalizing bundles.
- Extensively used Agile Methodology, Version Control (Git) and Continuous Integration.
- Conducted Bi-weekly Programming and Data Science workshops.

SOFTWARE DEVELOPER AND TESTER @ U.W.I DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

July 2019 – August 2019

- Fully tested an existing system (UWI ETC) according to Campus IT Services Standards.
- Developed and implemented a volunteer tracking system and CRUD event system for UWI ETC using PHP, XAMPP and MS SQL Server.
- Gained further experience in team management, Agile and SCRUM methodologies.

SOFTWARE DEVELOPER AND DATA SCIENTIST @ TECHNOLOGIES PERSISTO TECHNOLOGIES

August 2018 – October 2018

- Developed various software modules with a stringent and well-documented Git workflow, worked on deploying these microservices to Amazon Web Services.
  - Used ElasticSearch to scan newly signed up users against a DynamoDB database of blacklisted individuals scraped from various sites.
  - Developed a dispute resolution system for buyers and sellers.
- Gained practical experience in Cloud infrastructure and deployment, React Native app development, as well as created a chatbot using Amazon Lex.

EDUCATION

BSc. Computer Science @ University of the West Indies, St. Augustine

September 2016 – May 2020

First Class Honors

Full-stack development, optimization, software design and implementation of algorithms, database management, Git workflow, machine learning and project management were practiced throughout, during course projects.

BSc. (Special) Psychology @ University of the West Indies, St. Augustine

September 2013 – August 2016

First Class Honors

Research Paper: "Examining the Psychological Well-being of Cancer Survivors"
Supervisor: Dr. Jannel Phillip

ACCOMPLISHMENTS

QuickRental [2019]

A fully fledged apartment rental and social network app designed for U.W.I students via ReactNative and Expo.

DadliHack 2.0 Hackathon [2019]

AntiPlasti: Leveraging the Raspberry Pi, Cloud Technologies and React, in Detecting Oceanic Plastics and Waste using Image Recognition.

Bengaluru Tech Summit 2019 [2019]

"Innovation & Impact: Bengaluru Palace, Bengaluru, India"

WSIS Forum HackAgainstHunger [2018]

PiDronics: Automated Hydroponics Control System to Increase Effectiveness With Limited Resources and to diagnose plants using Image recognition

P-React [2018]

Image recognition with TensorFlow-lite was used to analyse body language and determine threatening poses.

DCIT, UWI Robotics Bootcamp Mentor [2017/2018]

Volunteered as a senior mentor where I assisted in organizing the camp, contributing to the code and assisted students in programming a raspberry pi robot, particularly on the use of inceptionv3 for image recognition, epspeak for voice and the distance sensors to measure distance. Students were able to successfully program the robot to solve a maze, detect objects and dance.

Telios Code Jam [2017]

MET-Oracle: Using Machine Learning to Improve City Resilience and Awareness to Extreme Weather Conditions Due to Global Warming

International Collegiate Programming Contest (ICPC) [2017]

DCIT Runtime Competition [2017]

RESEARCH PROJECTS

Optimal Personalized Prepaid Cellular Plans [2020]
with *Professor Patrick Hosein* (**Supervisor**) and *Aviel Jailal* (*TSTT Data Analyst*)

Eva-Ling: Evaluating and Developing Speech Recognition for Caribbean Dialect [2018]

AWARDS AND SCHOLARSHIPS

- **Star Scholar**, UWI Development and Endowment Fund
- Association of Female Executives of Trinidad and Tobago (AFETT)
- CIBC FirstCaribbean International Bank Scholarship