Mario Mankarious

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Technical Skills

Programming Languages: React, React Native, React Remotion, Python, Java, JavaScript, HTML/CSS, C, C++, SQL

Frameworks/Tools: Nodejs, ReactJS, VS code, Visual Studio, Bash, Linux, RISC-V, MATLAB, SAS, Tableau, Zeppelin, AWS, JIRA, Git/GitHub, Adobe Suite, Arduino

Projects

Article to Video Converter Website — *React, AWS*

- Worked on a team to develop a summarizing tool using the **Hugging Face** library and **Python**.
- Contributed to the design and implementation of a webpage that utilizes the **Pexels API** to search for images based on input keywords.
- Collaborated with team members to integrate text-to-speech functionality using **Amazon Polly**.

Jira API — *Python, React*

- Worked on a team to develop a program that utilizes the **Jira API** using Python and React.
- Contributed to the development of the backend using **Python** programming skills.
- Designed and implemented the frontend using **React**, creating a user-friendly website.
- Tested and debugged the program to ensure that it functioned correctly.

Dental Claims OCR — *React*

- Worked on a team to develop the front end of Dental Claims OCR Website.
- Utilized React to develop interactive features such as buttons that respond to user clicks.
- Contributed to the design and layout of the front end, using **Use States** and **Props**.

AppStore Website Program — *Java IDE*

- Worked independently to develop a program for the AppStore that allows users to create personal accounts.
- Designed and implemented various functionalities such as tracking downloaded apps and providing update notifications.
- Utilized **Java Algorithms** to give users detailed information about new updates in the latest versions of their apps.

Experience

Sun Life Financial, Canada — Innovation Developer COOP.   September 2022 - December 2022

- Worked in an **Agile environment** with biweekly sprints.
- Lead the team as a **Scrum Master** for two sprints.
- Researched, designed, and developed websites to improve efficiency of the organization and keep it up to date.
- Contributed new development ideas to the team.
- Worked on a website that allows users to upload financial data and predict future trends using **React** for the front end, **Python** for the backend, and **Amazon forecast** to help with getting accurate predictions.
- Developed a website that converts articles to videos using the **AWS Hugging Face**, **Amazon Polly**, Pexels API, and **React Remotion**.

Sun Life Financial, Canada — Data Analyst COOP   May 2022 - September 2022

- Analyzed data given by collecting, cleaning, and interpreting it to answer questions or solve problems.
- Designed, debugged, and implemented programs to help with Analysing which data is essential to the task at hand and which is irrelevant using **SAS**, **Tableau**, and **AWS** platforms.
- Worked on modifying data for easier understanding and performed queries on them using **SQL** and **Python** to make sense of data.
- Designed and maintained database.
- Scheduled data analysis projects using **SAS**.
- Established a connection between **HUE(HIVE)** and **AWS** directly using Lan with the aid of **Zeppelin**.

Combi Misr, Egypt — *Mechanical Design and Production Engineer*   November 2017 - September 2019

- Designed mechanical models of the products using **AutoCAD** and **Solid Works**.
- Managed the production of **Sifters** and **Belt Conveyors** by ensuring that the production plan was followed accurately.

Education

Lassonde School of Engineering, York University —Bachelor of Engineering – BE, Computer Engineering.   Currently Studying

Schulich School of Business, York University —Bergeron Entrepreneurs in Science and Technology program (BEST)   Currently Studying

Suez University, Egypt — *Metallurgical Engineering (BEng)*   2012 – 2017

Relevant Courses

Advanced object-oriented programming / Introduction to embedded systems / Electronic circuits and devices / Computer Organization