Emmanuel Robinson

emmanueloerobinson@gmail.com | [LinkedIn](#) | [Website](#) | [GitHub](#) | +971585801754 | Dubai, UAE

EDUCATION

Murdoch University Dubai, UAE   **Sep 2020 – Dec 2022**

Bachelor of Science - Computer Science & Business Information Systems (Double Major)

Coursework: Data Structures and Algorithms (C++), Software Architectures, Java OOP, Databases, System Design, Computer Security

EXPERIENCE

Murdoch University   **May 2022 - Present**

Peer Tutor

- Tutored **Data Structures and Algorithms** in C++
- Prepared weekly and conducted tutorials to allow students understand core concepts
- Learned to explain different data structures and algorithms concepts
- Topics include **Arrays**, **Linked Lists**, **Sets**, **Sorting**, **Binary Trees**, **Hash Maps**, etc.

Take Capital   **Mar 2022 - Present**

Software Engineer Intern

- Maintained blockduelers.io repository adding new features with React.
- Assisted in creating an ERC20 token and deploying it on the blockchain.
- Assisted in listing Token on the Solana Blockchain for a web3 project

FedEx   **Jun 2021 – Feb 2022**

Data Scientist & Process Developer Intern

- Revamped station operations daily reporting, analytics and digitalized daily reporting methods.
- Developed insights that highlighted opportunities and drove **KPI** enhancements.
- Managed analytics and data reporting from **SQL** pulled data for desertcart.ae
- Designed a peer-to-peer recognition tool launched across UAE Stations in order to drive productivity.
- Incorporated Microsoft Office SharePoint **APIs** to fetch employee data, allowing the recognition tool to process needed data to a database for tracking.

PROJECTS

MUDTalk 2.0 (2022)

Tools Used: *Express, Node.js, HTML, CSS, JavaScript, SocketIO, Docker*

- Built a real-time chat application using SocketIO to allow communication between multiple profiles.
- Created rooms and allowed users to join and leave rooms of their choice.
- Containerized application for production using **Docker** and deployed to **Heroku.**

Task Manager Backend (2021)

Tools Used: *MongoDB, Express, Node.js, HTML, CSS, JavaScript*

- Built the backend application for a task manager web app.
- Designed **mongoose** schemas for both user and task models using the validator module to apply strict validation.
- Implemented user authentication using **JWT** and password encryption using bcrypt.
- Modelled User data stored on **MongoDB Atlas** and streamlined file upload using Multer with email notifications support.

Supplement Management GUI (2021)

Tools Used: *Java, NetBeans, JavaFx*

- Designed a simple supplement registration system using Java to simulate the common functions of a subscription management system.
- Used JavaFX to create a GUI that supports actions such as creating an account, displaying list of supplements, calculating monthly price, and generating email for all customers, etc.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.

SKILLS

Programming: C/C++, Python, Java, JavaScript, Excel/VBA

Technologies / Framework: React, HTML/CSS, Node.js, Express, RESTful APIs, GraphQL, SQL, MongoDB

Web3 (Knowledge): Solidity, Hardhat, Moralis, Sanity.io

Others: AWS, GIT, Heroku, Linux, Docker, TensorFlow, Jest, Power Automate