Emmanuel Robinson

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EDUCATION

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

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

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

EXPERIENCE

FedEx Express   **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.
- Studied 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**
- Successfully deployed application on **Heroku**.

Task Manager Backend (2021)

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

- Built the backend structure for a task app.
- Used the **mongoose** library to build schemas for both user and task models using the validator module to apply strict validation.
- Implemented user authentication using **JWT** with an email and an encrypted password through bcrypt.
- Modelled User data stored on **MongoDB Atlas** and streamlined file upload using Multer with email notifications support.
- **https://github.com/emmanuelorobinson/task-manager-backend**

MUDTalk 1.0 (2021)

Tools Used: WordPress, AWS, Linux, JitsiMeet

- Built a social networking web application using WordPress, integrating BuddyPress and JitsiMeet.
- Implemented on an **Amazon EC2** server on Ubuntu Linux under **apache2**.
- Engineered website functionality to include a chat-based webpage, where users could talk to one another.
- Website also implements a video call functionality to facilitate better communication between users.

ACTIVITIES & INTEREST

- Playlist curator on Spotify.
- Hobbyist game development with Unity and C#.

SKILLS

Programming:	C/C++, Python, Java, JavaScript/Typescript, Excel/VBA
Web Development:	React, HTML/CSS, Node.js, Express, Go (Golang), RESTful APIs, Apollo GraphQL, SQL, MongoDB
Web3 (Knowledge):	Solidity, Hardhat, Moralis, Sanity.io
Others:	AWS, GIT, Heroku, Linux, Docker, TensorFlow, Jest, Power Automate