Mahmoud Abdelaty

Calgary, Alberta

☐ (+1) 587-969-4502 | ✉ mahmoud.abdelaty@ucalgary.ca | ⌨ krang-8 | 🔗 mahmoudabdelaty

Education

Bachelor's Degree in Computer Science *Calgary, Alberta*

UNIVERSITY OF CALGARY *2019 – 2023*

 Relevant Courses : CPSC for CPSC Majors I & II, Principles of Microeconomics, Linear Methods , Calculus , Discrete Mathematics, Elementary Formal Logic, Statistics , Data Structures, Algorithms & Analysis, Computing Machinery I & II, Thinking with Data, Personal Financial Management, Computability, Intro to Software Engineering, Info Security & Privacy, IT Ethics, Design & Analysis Algorithms, Programming Paradigms, DBMS, HCI I & II, Web-Based Systems.

Project Experience

Agora *NodeJS, React, ASP.Net, SQLite, CSS, HTML, Java, Swagger, Postman API*

FEBRUARY 2022 - APRIL 2022 *Github Repository*

- Lead a group of 3 to build a full-stack ecommerce store base and DBMS targeting small businesses.
- Used Node.JS and a REACT UI Frontend that communicated with an ASP.NET Core V6 Minimal Web API.
- Utilized a CODE-FIRST approach to generate the database using entity framework.
- Maintained a minimal API to perform CRUD operations.

Cooks N Books *C#, WPF, XAML, CSS, Git*

FEBRUARY 2020 - APRIL 2020 *Github Repository*

- Identified work contexts, system constraints and expected users based on research conducted utilizing the task centered system design process.
- Designed paper prototypes and hand drawn sketches for the UI/UX.
- Utilized an agile workflow to keep track of progress and efficiently manage personnel
- Conducted an in-depth heuristics analysis on the final prototype identifying 29 heuristic problems with 5 causing major usability problems.

Self Checkout Station *Java, JUnit*

FEBRUARY 2021 - APRIL 2021 *Github Repository*

- Worked with a team of 12 members to develop a self checkout station system.
- Worked with the back-end team to implement key features for the checkout station.
- Co-lead the quality assurance team and built test units for the entire system ensuring a bug-free system.

Game Tracker Discord Bot *Python, APIs, Digital Ocean*

JULY 2020 - SEPTEMBER 2020 *Github Repository*

- Utilized both the discord and faceit apis to fetch, collect and post data based on live matches 24/7 and player statistics upon request.
- Hosted, deployed, and maintained for months on DigitalOcean.
- Optimized running time to increase response time by 86.67%.

Side Scroller Video Game *Java, JavaFX*

FEBRUARY 2020 - APRIL 2020 *Github Repository*

- Designed and developed a side-scroller adventure video game utilizing java and javafx among a team of 4 where I created sprites for the character model and implemented a collision system to ensure smooth and seamless movement and interaction with the game world.

Work Experience

Royal Bank of Canada *Remote in Calgary*

AUTOMATION ENGINEER (INTERNSHIP) *January 2023 - August 2023*

- Automated compliance workflows by designing and developing Ansible playbooks, eliminating the need to.
- Developed an implementation for transaction monitoring on MQ channels through Dynatrace, enabling real-time tracking and performance using Elastic.
- Worked in an agile environment using Jira to keep track of tasks and progress in sprints and PIs and Confluence for documentation purposes.
- Utilized technologies such as Docker, Jfrog Artifactory, Dynatrace, Jenkins, Moogsoft, Vault, and the ELK stack to ensure reliable and efficient software operations, following SRE principles, resulting in improved system reliability, proactive performance management, enhanced security, and accelerated development cycles in addition to increased observability.

YaLLa Esports *Dubai, UAE*

DATA ANALYST & JUNIOR COMMUNITY MANAGER *April 2021 – Present*

- Co-lead the data analysis team compiling monthly, quarterly and campaign-focused data reports, in addition to competitors reports, evaluating technical and social aspects leading to a consistent increase in engagement, impressions and social growth.
- Assisted in growing the organization's social media channels by covering live games, generating content ideas, producing content, organizing community events, and communicating with the fans.

Middle East Stars League *Remote in Dubai*

HEAD ADMIN *April 2020 – November 2021*

- Managed both daily operations and tournaments for a gaming hub helping it grow tenfold with over 12500 followers and 3000 paying active subscribers.
- Oversaw staff work and provided insight and assistance to new staff as well as handling staff applications and hiring new staff.

Freelance *Dubai, UAE*

ESPORTS ADMIN - OBSERVER - EVENT ORGANIZER *2020 – 2021*

- Worked with esports operators such as PLG, Webedia, Saudi Esport Federation to ensure and maintain contestants happiness and satisfaction through fair rulings and official communication for events sponsored by large brands such as KFC, Adidas, Red Bull.
- Coded scripts to verify 5000+ contestant profiles saving over 200+ hours of work for a 9-man admin team.
- Assisted in formulating storytelling narratives for the social media teams.