Ahmed Banko

Software Engineer Based in London
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Experience

QUEUE MANAGEMENT SYSTEM – JUNE 2024-PRESENT

- Building a full-stack website for private clinics to manage queues where people can join and wait for their turn somewhere other than the crowded waiting areas.
- Technology used: Node.js, Express.js, React.js, MongoDB

REVERSIBLE PROGRAMMING LANGUAGE – FEB 2023-APR 2023

- Designed a reversible programming language which executes code in both forward and backward direction.
- Reduced code complexity by utilising tree data structure to store runtime values of the variables.
- Technology used: Scala programming language

BICYCLE GROUP TRIP PLANNER – JAN 2022-SEP 2022

- A multi-platform mobile application.
- Implemented a bicycle station list showing available bikes/stations and displayed their locations on the map using different APIs.
- Added turn-by-turn navigation and instructions for the trip.
- Technology used: Flutter, Dart, Firebase

CHESS CLUBS MANAGEMENT SYSTEM – NOV 2021-DEC 2021

- Worked with a group of students to develop an online software for creating/managing chess clubs.
- Secured access by adding different authorisations/roles to different members using Python mixins.
- Improved user interaction using JavaScript
- Technology used: Django, Python, SQL, HTML, CSS and JavaScript

ANIMAL HABITAT SIMULATOR – JAN 2020-FEB 2020

- Developed a GUI with JavaFX and programmed in Java a simulator that visualises the interaction between different animal species in a virtual habitat.
- Minimised code duplication by using inheritance and different design patterns.
- Technology used: Java, JavaFX, CSS

Education

- Kings College London – BSc Computer Science, 1st Class – 2020-2023
- The City of Liverpool College – Access to HE, Awarded 45/45 distinctions – 2019-2020
- The City of Liverpool College – Pre-Access Course, A*A*AA – 2018-2019

Skills

Java, Python, JavaScript, Typescript, Dart, HTML, CSS, SQL, NoSQL, Scala, Flutter, Node.js, React.js, Django, JavaFX, JUnit, Firebase, Git

Hobbies/Interests

Watching football, bowling, hiking, working out

References

Available upon request