

Zuhayr Hasan

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TECHNICAL SKILLS

Languages: JavaScript, Python, Ruby, Django, Java, SQL (Postgres, MySQL), HTML/CSS

Frameworks: React, Node.js, Express.js, Unity, Ruby on Rails

Developer Tools: Git, Jira, VS Code, Amazon Web Services

EXPERIENCE

Software Engineer Intern

May 2022 – Aug. 2022

Equestrian Show Manager

Hamilton, ON

- Demonstrated quick learning and adaptability skills by acquiring proficiency in Ruby within a week, effectively applying it to tasks such as accurate PostgreSQL data retrieval, user authentication, and complex search queries
- Collaborated with a team of 4 engineers, engaging in code reviews, troubleshooting, and effective communication, to enhance outcomes through teamwork
- Successfully restructured 8 web pages and optimized PDF reports using Ruby on Rails, resulting in a significantly improved user experience

EDUCATION

University of Western Ontario

London, ON

Bachelor of Engineering Science in Software Engineering

Class of 2023

Relevant Coursework Database Management, Algorithms and Data Structures, Object-Oriented Design, Operating Systems, Networking, Artificial Intelligence

PROJECTS

FullTime | [Live Demo](#) | *Python, Django, PostgreSQL, Amazon S3, JavaScript*

- Developed a full-stack football-centric social media platform using Django, Python, and Amazon S3, enabling threaded discussions among users
- Leveraged database management skills with PostgreSQL to optimize performance, implement security measures, resulting in the successful deployment of the platform

Lloyd's Portfolio | [Live Demo](#) | *JavaScript, React*

- Mock-up project for photographer and cinematographer, Lloyd Wakefield, which features over 20 images and 8 videos which were efficiently rendered using lazy loading techniques
- Responsive website to allow any device to have a great user experience

StudyNote | [Live Demo](#) | *JavaScript, MySQL, React*

- Designed a relational database through ER modelling, logical modelling, and normalization, to develop a database model with minimal attributes and redundancies, which was implemented using MySQL
- Displayed leadership skills by organizing weekly meetings to improve communication within the group and ensure that every member is on the same page

Footy Chippy | [Live Demo](#) | *Python, SoccerData, Matplotlib*

- Engineered a Python-based football data visualization tool extracting intricate player statistics from FBref using SoccerData and transforming them into insightful bar charts for enhanced analysis using Matplotlib
- Implemented an innovative solution to simplify player performance analysis by allowing users to select players, leagues, seasons, and specific statistics, resulting in clear visual comparisons across eight distinct performance categories

OddsOn | *JavaScript, Football API, React*

- Provide live football match information for the top European leagues featuring over 5 leagues and 100 clubs
- Dynamically displays a calculated rating, clean and simple formation with 22 players, and tables for both team and individual statistics, all in a user-friendly interface

Spotif-AI | *JavaScript, OpenAI API, Spotify API, React*

- Created an automatic playlist generator using OpenAI and Spotify's API to generate playlists based off of input
- Automatically fetches and returns over 30 songs within a minute to instantly save in the user's library
- Authenticates the user's ability to stream and save the playlist