

Zuhayr Hasan

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TECHNICAL SKILLS

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

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

Tools & Technologies: Git, Jira, VS Code, Amazon Web Services

EXPERIENCE

Full Stack Software Engineer

Oct 2023 – Present

Equestrian Show Manager

Hamilton, ON

- Reduced average user time spent on web page navigation by implementing a dynamic hamburger menu in Ruby on Rails
- Increased engagement with live horse shows by featuring the relative show information on the public home page using React
- Optimized page load times by restructuring data access methods in alignment with the MVC design pattern, utilizing PostgreSQL as the back end database

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 | [GitHub](#) | *Python, SoccerData, Matplotlib*

- Created 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