Mustafa Hasan

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SKILLS

Languages & Frameworks : JavaScript, React, React Native, Python, MySQL, Ruby, Ruby on Rails, Tailwind, C++, C
Tools & Environments : Git, GitLab CI/CD, Docker, Linux, Bash, VS Code, Android Studio, Figma

EDUCATION

University of Waterloo | B.A.Sc. - Computer Engineering 4th Year　　　　　　　　Sep. 2020 – Apr. 2025
- Database Systems, Computer Networks, Algorithms & Data Structures, OOP in C++, Systems Programming and Concurrency, Compilers, Real-time Operating Systems

EXPERIENCE

Software Developer　　　　　　　　Jan. 2024 – Mar. 2024
Semper8　　　　　　　　Toronto, ON, CA
- Developed and styled interactive components in React Native for a social media app, including messaging features, user recommendation feed handling, and user onboarding processes, reducing onboarding time by 30%
- Conducted rigorous testing on iOS and Android devices to gather feedback, identify pain points, and enhance usability, while implementing optimizations for a 25% reduction in app startup time and improved responsiveness across devices

Software Developer　　　　　　　　May. 2023 – Aug. 2023
Lawbrokr　　　　　　　　Toronto, ON, CA
- Transformed the application's front-end by collaborating with the UI/UX Designer to create user-friendly interfaces using Tailwind, HTML, CSS, JavaScript, and Ruby, resulting in a 40% increase in user satisfaction scores
- Architected back-end model and controller to seamlessly integrate data into front-end for contemporary visualization through Chart.js to dynamically present real-time data

Product Manager　　　　　　　　Sep. 2022 – Dec. 2022
Purolator　　　　　　　　Mississauga, ON, CA
- Designed, launched, and managed new products, including an address book application, while leading cross functional teams to implement retail requirements for corporate and agent stores across Canada
- Implemented agile methodologies and led a digitization proposal, reducing paper usage by 12%, improving customer experience, and streamlining processes for retail staff and employees

PROJECTS

Scalable Social Media Blogging Site | *Ruby on Rails* | https://reddit-ish-jhiq.onrender.com
- Developed a blog platform with user authentication via Devise, enabling seamless registration, post creation/editing, image uploads, and interactive features like voting, commenting, and searching
- Utilized Tailwind for front-end design, Pagy for pagination, and custom CSS to create a user-friendly and responsive blog interface within an MVC framework

Movies Database | *Python, MySQL*
- Architected a MySQL database to store movie information, integrating datasets such as movie metadata, budget details, ratings, and box office performance, enabling detailed analysis of movie attributes and performance metrics
- Designed to support data mining and extensive querying capabilities via console commands

Portfolio Website | *React, Tailwind* | https://sm0hasan.github.io/react-portfolio/
- Developed a responsive portfolio website using Next.js and Tailwind, showcasing skills, projects, and availability with a clean, user-friendly design