Humza Aamir

📞 416-986-9445 ✉ Humzaaamir31@gmail.com in Linkedin/humza-aamir ○ Github/Humza-Aa 🏠 Portfolio/Humza-Aa

Technical Skills

Languages: Python, Java, JavaScript, HTML, CSS, Sass, TypeScript, C/C++

Frameworks: React, Node.js, Redux, Material-UI, Angular, Spring Boot, Express.js, Next.js, Vue.js, Bootstrap

Development Tools: Git, Bash, MongoDB, Firebase, Figma, JUnit, Postman, Canva, Webpack, Jest

DevOps: AWS, Kubernetes, Docker, Vercel

Experience

Project Human City | Jan 2023 – Present
Software Developer — Toronto, ON

- Collaborated with cross-functional teams in enhancing product responsiveness, accessibility, and UI design through rigorous user tests and A/B testing, resulting in a 20% boost in user satisfaction.
- Developed React functional components from scratch, seamlessly integrating them into the existing legacy code base to optimize the user experience and reduce UI bugs.
- Refactored a secure Node.js with Express.js back-end server, integrating user authentication and access control for protected pages.
- Developed REST APIs for efficient user data communication between the front-end and back-end, while integrating MongoDB to ensure secure storage of sensitive information.

Excel Lassonde | Sept 2022 – Dec 2022
Software Developer — Toronto, ON

- Revamped UI designs and mock-ups using Figma, resulting in a 70% increase in user adoption rates.
- Addressed performance issues, implementing optimization techniques, including image compression, lazy loading, and caching for a 10% faster page load.
- Successfully integrated York University's Duo authentication system, strengthening web security and ensuring secure access, resulting in a significant 60% reduction in false tutor appointments.
- Transformed the back-end with Node.js and Express to flawlessly manage front-end requests from 500+ students, averting crashes and ensuring uninterrupted service.

Projects

CrimeVue | Python, JavaScript, Next.js, Node.js, Express.js, MongoDB | Github | CrimeVue | Jun 2023

- Designed and developed CrimeVue using Python and Selenium, enabling real-time analysis of 1000+ monthly crime incidents, and empowering users to identify crime hot spots efficiently.
- Utilized a range of testing methodologies, including Functional and Security testing, and collaborated with users on 22+ improvements, enhancing CrimeVue's reliability and user-friendliness.
- Implemented authentication protocols for CrimeVue, utilizing Bcrypt to encrypt user data, ensuring trusted access, and mitigating potential security risks.

Fact Checking Platform | React, JavaScript | Github | Fact Check | Apr 2023

- Developed a user-centric fact-checking website in React to reduce misinformation consumption by 50% within the academic community.
- Oversaw multiple design iterations in Figma and conducted extensive user testing with 60+ participants, resulting in an optimized user experience.
- Developed a dynamic layout of inquiries by researching commonly overlooked questions users may miss when seeking information online.

Google Play Store Review Scraper | Python | Github | Nov 2022

- Developed a Python-based Review Scraper, analyzing app flaws and suggesting improvements, yielding a 37% rise in app ratings and a 63% drop in negative reviews.
- Applied techniques like tokenization, stop word removal and stemming, enhancing review accuracy by 25% and boosting data usefulness by 50%.

Education

York University | Aug 2019 – 2023
Bachelor of Engineering with Honours: Computer Engineering (BEng) — *Toronto, ON*

- **Relevant Courses:** Data Structures and Algorithms, Software Design, Algorithms Analysis, Database Management, Intro to AI, Systems Programming, Computer Architecture, Object-Oriented Programming