JANE AL-SHIHABI

Waterloo, Ontario, Canada

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Education

University of Waterloo   **Sept 2022 – Apr 2027**
B.A.Sc, Systems Design Engineering   *Waterloo, Ontario*

<u>Courses</u> include: Data Structures and Algorithms, Introduction to C++, Digital Systems, Probability and Statistics

Technical Skills

Languages: Python, JavaScript, C++, HTML, CSS, SQL, Java, TypeScript, YAML, Markdown, Turing
Tools: VSCode, SSMS, Git, Azure DevOps, Swagger API, Docker, IntelliJ IDEA, React, Tailwind CSS, Hugo, Netlify, Jira
Design: Figma, Procreate, Solidworks, Autodesk Fusion 360
Methodologies: Agile methodologies, software testing, trilingual (English, French, and Arabic)

Experience

Software Developer   **Jan 2023 - Apr 2023**
Brock Solutions   *Kitchener, Ontario*

- Developed software for a manufacturing execution system (MES) used in an airbag manufacturing facility for **Tesla, Toyota, Ford**, and other major brands in order to streamline production process
- Developed and optimized **backend** of MES using Java in IntelliJ and SQL, increasing **database** query efficiency **80%**
- Developed **frontend** using JavaScript in the Thingworx framework (a Node.js wrapper), all in a **Linux** environment
- Implemented, tested, and maintained **REST API** in Swagger to ensure clean integration of MES components
- Utilized **Docker** to containerize applications, ensuring consistent development and production environments
- Designed and performed regression **test cases** for each assigned task to ensure high quality system performance
- Used **Agile** methodologies in a scrum team with daily stand-ups and weekly sprint planning/overview meetings

Full Stack Developer   **Sept 2024 - Present**
UW Blueprint Design Team   *Waterloo, Ontario*

- Using React for frontend, APIs and **Typescript** for backend processes, and custom databases to develop a participant-volunteer matching platform for the Leukemia and Lymphoma Society of Canada

Software QA   **May 2024 - Aug 2024**
Government of Canada - Transport Canada   *Waterloo, Ontario*

- Wrote automated test scripts in **Python** using **Selenium** to accelerate existing manual testing processes
- Executed and documented over **200** manual tests for a security application platform for **two major** production releases
- Collaborated with **developers** to efficiently locate root cause of bugs and resolve them under tight deadline constraints
- Participated in daily scrum and sprint grooming meetings and **presented** testing findings to evaluate bug priority

Product Manager   **Sept 2023 - Dec 2023**
Maplesoft   *Waterloo, Ontario*

- Managed the **conception** of new features: identified scope and requirements, planned project timelines and deliverables, identified roles, and collaborated with Content Development team to implement new product features
- Tracked 2 math and science education softwares on **Jira** by filing and organizing issues (e.g. creating epics, writing and assigning new issues, adding priority levels, etc.) to streamline product updates

Projects

Mot du Jour (Word of the Day)   **Project Link**
Waterloo, ON   *Web Development, APIs, UX/UI Design*

- Developed a web app using **React + Vite** that parses dictionary **API** response and presents a daily vocabulary word
- Independently learned best web development practices to ensure high quality code and rapid site generation
- **Designed** a prototype on Figma and performed UX research prior to and after development, as well as software testing

Web Developer   **Project Link**
Personal Website/Portfolio   *Web Development, Static Site Generators*

- Developed my personal website, also a portfolio, using **Hugo**, and **Netlify** for deployments in a **Mac** environment
- Learned and applied Git, GitHub, and VSCode/IDE skills, as well as **CSS**/Sass, **HTML**, Markdown, YAML, and applied UX/UI and display concepts from Human Factors in Design course