Arsh Ahluwalia

arshahluwalia.tech
arsh.ahluwalia@hotmail.com
linkedin.com/in/arshahluwalia
github.com/arshahluwalia

Skills

Languages & Frameworks: C, C++, C#, Java, Kotlin, Python, JavaScript, HTML, CSS, SQL, Swift, Bash, Bootstrap, Node, Angular, React
Tools & Technologies: Git, Terminal/Command Line, Jenkins, Selenium, MongoDB, mySQL, Firebase, Photoshop, Figma

Work Experience

Software Developer @ BioRender — Sep 2023 – Dec 2023

- Worked on multiple projects adding features and redesigning components for various aspects of a collaborative online editing web application using **JavaScript, React**, **HTML**, and **CSS**, alongside creating tests for the various components
- Utilized JavaScript, TypeScript, React, HTML, CSS, Git, Postman, Jest, Cypress, MongoDB, etc. in an Agile Scrum environment

Software Developer @ TD Securities — Jan 2023 – Apr 2023

- Designed and developed various components for an internal web application that displays internal funding information using **JavaScript, React**, **Java**, **HTML**, and **CSS**, while also contributing to the testing and deployment processes of the website
- Redesigned multiple features and components for a web application, **speeding up** API hits and processing times
- Utilized JavaScript, TypeScript, React, Python, Node, Java, HTML, CSS, Git, Postman, etc. in an Agile Kanban environment

Software Developer @ RBC, Digital Technology, OMNI — Jan 2022 – Apr 2022

- Developed multiple components for a single page web application that provides advisors with an optimized **client-onboarding experience** using **JavaScript**, **Angular**, **Java**, **HTML**, and **CSS**, alongside creating 10+ unit and integration tests for the components
- Implemented the redesign of email templates sent to advisors/clients through various applications to make them more **accessible** and **responsive**, enhancing **user experience** and optimizing cross-browser and multi-platform compatibility
- Utilized JavaScript, Angular, Node, Java, HTML, CSS, Git, MongoDB, etc. in an Agile Scrum environment

Software Developer @ RBC, Wealth Management — May 2021 – Aug 2021

- Implemented the authentication flow of a public facing web application that provides a **unique online executor experience** using **JavaScript**, **Angular**, **HTML**, **CSS**, and **Okta**, while also integrating with and supporting the backend development
- Utilized JavaScript, Angular, Node, HTML, CSS, Git, Azure, Redis, MongoDB, GraphQL, Okta, etc. in an Agile Kanban environment

Software Developer @ Unity Technologies — Aug 2020 – Dec 2020

- Developed the frontend dashboard for a web application of a confidential project using **HTML**, **CSS**, **JavaScript**, and **React**
- Implemented automated API testing for **50+ CRUD endpoints** using **Postman/Newman** and **Jenkins**
- Created a **SlackBot** integrated with **Jenkins** and **GitHub** to report build info, release notes, and branch merge status
- Utilized C#, JavaScript, React, HTML, CSS, Postman/Newman, Git, Azure, Jenkins, Bash, etc. in an Agile Scrum environment

QA Analyst @ FF Advanced Technology Group — Jan 2020 – Apr 2020

Projects

Baseball Hall of Fame Predictor

- Built a decision tree classifier that cleanses & filters data, then predicts if a baseball player will be inducted into the Hall of Fame with 96% accuracy using **mySQL**, **Python**, and pre-existing data available online

Real-Time Operating System (Kernel)

- Developed a real-time operating system in **C** for a Keil microcontroller, implementing dynamic memory management, real-time scheduling (including pre-emption), inter-task communication, user interrupt handling, console I/O, and a wall clock display

uMigrate Social Network

- Collaborated with a team of 20+ members to create an interconnected **social network** for on-the-move university co-op students
- Contributed to the project by creating user flows, wireframes, and prototypes on **Figma** for the **UI/UX** team and co-managing the larger team as part of the **project management** team to collaboratively create the web and mobile apps

Extra-Curriculars

Developer, Strategist @ Battlesnake

- Implemented a snake for the **RBC Spring 2022 tournament**, our team of 3 won **First Place** in the Experienced category

Hackathon Team Member, Fullstack Developer @ Hack the North

- Created a social media platform using **React** where one can anonymously deposit their thoughts and withdraw others' thoughts

Education

Candidate for BASc in Honours Computer Engineering (Co-op) @ University of Waterloo — Sep 2019 – expected Apr 2024

- **Relevant Coursework:** Algorithms & Data Structures, Systems Programming & Concurrency, Real-time Operating Systems, Compilers, Databases, Computer Networks, Software Design & Architecture, Co-operative & Adaptive Algorithms, User Interfaces
- Demonstrated academic excellence for multiple academic terms