Freeman Zhang

freemanzhang3@gmail.com | (647) 673-1166 | Markham, ON

https://linkedin.com/in/ftyz | https://github.com/freeman-zhang | https://freeman-zhang.github.io/

Experience

Software Engineer
Toolbx | 09/2022 – 12/2022

- Developed over 50 full stack features for our web apps using TypeScript, React, GraphQL, and Postgres
- Led front-end development during a large project with a tight deadline, developing over 20 features within a month
- Wrote automated unit tests for all new features created and updated various tests across the platform, covering over 200 test cases
- Contributed to the documentation of code, processes, and procedures on Confluence

Software Developer
Loopio | 01/2022 – 05/2022

- Collaborated in an agile team to develop and maintain features for our full stack web app, catering to a user base of over 2000 clients, utilizing Javascript, React, PHP, and MySQL to enhance the app's functionality
- Restructured a large component of our codebase, refactoring over 350 files to enhance scalability and modularity
- Created test automation for all new features to ensure over 95% test coverage using Jest
- Implemented code for performance metric gathering to gauge usage of new and changed features

Software Engineer in Test
Ontario Die | 05/2021 – 09/2021

- Managed and refined a comprehensive test suite in C# and Selium, encompassing over 500 test cases
- Developed test cases and improved test plans to reduce testing time by 30% and increase coverage by 20%
- Worked overtime to resolve issues and meet tight deadlines, resulting in a 100% on-time release rate
- Provided QA and user input in design meetings, and provided feedback to developers during scrum planning

QA Intern
Tilr | 01/2020 – 05/2020

- Conducted unit and regression tests for mobile and web applications, serving a user base of over 10,000 mobile users and supporting over 100 company clients on the web platform
- Built up our automation test suite using Jest, Cypress, and Appium, adding 80+ new test cases to cut down regression testing time by 50%
- Provided QA input and feedback to other developers daily following agile methodologies

Projects

Sleevtic - VR Haptic Sleeve

- Designed and built a haptic sleeve to improve VR immersion using Unity, C#, Arduino, and 3D printing

Y – Twitter Clone

- Created and deployed a simple Twitter clone using Typescript, tRPC, TailwindCSS, and Prisma

Skills

Languages: JavaScript, Typescript, HTML, CSS, PHP, C#, SQL, GraphQL, Python, Java, C/C++

Databases: MySQL, PostgreSQL, MongoDB

Frameworks: React, Express, Node, Jest, Selenium, Appium, Cypress, Playwright

Tools: GitHub, Bitbucket, Docker, Jenkins, CircleCI, Jira, Asana, Confluence

Education

University of Waterloo – Bachelor of Applied Science in Computer Engineering

- Relevant coursework: Computer Architecture, Networks, Databases, Cybersecurity, FPGA, Microcontrollers