

Muhammad A. Khan

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EDUCATION

Bachelor of Science in Computer Science
University of Western Ontario

Sep. 2018 - Jun. 2023
Canada

EXPERIENCE

Software Automation Developer
Virgin Mobile UAE

Oct. 2023 - Present
Dubai, United Arab Emirates

- Utilized Appium to automate end-to-end testing workflows, converting 30% of manual tests to automated ones, which streamlined the testing process and improved efficiency.
- Integrated Appium tests with monitoring tools, enabling real-time tracking of key metrics, which led to a 50% reduction in production-related incidents.
- Collaborated with the product team to refine 150 test cases, ensuring alignment with evolving feature updates.
- Conducted comprehensive API testing, using tools such as Postman, to ensure integration of new endpoints.
- Implemented a structured process for continuous test case updates by establishing cross-functional reviews and integrating feedback loops from the product and development teams.
- Created and maintained detailed documentation of test cases, test plans, and test execution results to facilitate knowledge sharing and transparency.
- Developed and executed comprehensive regression test suites, ensuring the stability and reliability of the mobile application through various releases.

Frontend Developer
Molex

May 2022 - Dec. 2022
Waterloo, Canada

- Used Vue.js to create engaging user interfaces, and utilized Vuex for efficient state management.
- Optimized SQL queries to ensure efficient data retrieval and manipulation, helping minimize response times.
- Utilized Vue Router to implement client-side routing, enabling seamless navigation between different views.
- Implemented JWT token-based user authentication to enhance security and manage users access.
- Developed role-based permissions management, allowing administrators to modify users access permissions.
- Implemented reusable Vue.js components to display consistent error messages across the application.
- Achieved 90% code coverage by performing extensive unit and integration testing with Jest and xUnit.
- Debugged state management and UI issues, resulting in a streamlined workflow for the development team.

Associate Software Engineer
Finastra

May 2021 - Dec. 2021
Mississauga, Canada

- Collaborated in an agile team to develop a mortgage processing web app using Vue.js, Node.js, and SQL.
- Refactored existing RESTful API calls to GraphQL, significantly reducing access times and improving scalability.
- Integrated TypeScript into Vue.js projects to improve type safety and code maintainability.
- Implemented session management features to enhance application security and user experience.
- Developed reusable frontend components to enhance functionality and promote code resuability.
- Improved performance by reducing time-to-interactive through Google Lighthouse optimizations.
- Participated in pair-programming and code-review sessions, fostering collaboration and enhancing code quality.

PROJECTS

Invoicely | Vue.js, Vuex, Django, JavaScript, Python, Tailwind

github.com/mkhan884/invoicely

- Designed and developed a full-stack invoicing and expense tracking application featuring user authentication and automated invoice generation, empowering users to efficiently manage invoices and expenses.

TECHNICAL SKILLS

Languages: Python, Java, TypeScript, JavaScript, SQL, HTML, CSS

Frameworks: Vue.js, Vuex, Express.js, Node.js, Appium, Jest, xUnit, Tailwind

Developer Tools: Git, Postman, Jira, Confluence, Firebase