**Alexander Tesfay Habte**

Permanent Residence in Lithuania | Alexanderhabte5@gmail.com | +370 623 51 868 |

LinkedIn: https://www.linkedin.com/in/alexander-tesfay-habte| GitHub: https://github.com/Alexander-art-eng

**EDUCATION AND CERTIFICATIONS**

**CS50’s Introduction to computer science Harvard University (via edX)**

*Verified Certificate Issued, August 26 2024*

* **Concentrations:** Problem solving, computational thinking, and foundational computer science concepts.
* **Topics Covered:** Data Structures & Algorithms, abstraction, encapsulation, security, software engineering, web development and databases.
* **Achievements:** Successfully completed all problem sets and final project, demonstrating intermediate understanding in C++, python, SQL, and other tools.

**Meta Front-end developer Meta on coursera**

*Front-end developer Issued, December 12 2024*

* **Concentrations:** Designed and built responsive websites, developed dynamic front-end applications, Leveraged the Bootstrap CSS Framework to create modern webpages and managed repositories using git and github.
* **Skills Gained:** HTML, CSS, Javascript, React, UX/UI Design, Version Control Systems (VSC), QA, How the internet works
* **Achievements:** Built portfolio-ready projects during the capstone, showcasing proficiency in modern front-end development techniques.

**PROJECTS**

**Automation and Data Integration Projects**

*QA Engineer*

* Built a Selenium-based automation bot for a booking website to streamline hotel searches by dynamically applying filters (e.g., star ratings), utilizing retries, explicit waits, and robust error handling for reliability in handling real-world DOM changes.
* Developed a real-time cryptocurrency data fetching and storage system using the CoinMarketCap API and MySQL, implementing error handling and logging to ensure continuous, seamless data retrieval and storage of key metrics such as price, market cap, and volume.

**UI and End-to-End Testing**

*QA Engineer*

* Developed and executed automated UI and end-to-end tests using Playwright and React Testing Library, ensuring functional correctness, cross-browser compatibility, and responsive design.
* Validated key application behaviors by simulating user interactions, asynchronous rendering, and navigation flows, enhancing software reliability and user experience.

**Nextjs Cypress Testing project**

*QA Engineer*

* Developed and executed end-to-end and component tests using Cypress for key application features, including accordion functionality, API interactions, and multi-page navigation.
* Optimized test efficiency with custom Cypress commands and intercepts, ensuring robust coverage and high-quality application behavior.

**API Testing with Postman**

*QA Engineer*

* Designed and executed API tests for RESTful services using Postman, validating endpoints with automated scripts, environment variables, and collection workflows.
* Streamlined testing efficiency by leveraging Postman test snippets, Collection Runner, and Newman CLI to automate validations for status codes, response times, and data integrity.

**SKILLS**

**Programming:** Java, Python, JavaScript, HTML/CSS, MySQL, Node.js, React.js, C++, C, Next.js, Typescript

**Tools:** IntelliJ, PyCharm, Eclipse, Git, Bootstrap, shadcn, Aceternity UI, Agile, Tailwindcss, CI/CD

**Social:** Gym, chess, Good-communication, Dance, Outdoor-events