Ismail Manjlai

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Summary

I am a software engineer with a passion for using lightweight technologies in order to create clean and intuitive applications for the web. I also work on game development in my free time.

Experience

Software Test Engineer

National Heritage Academies • Grand Rapids, MI   12/2021 - Present

- Executed database queries using **SQL** in **MSSQL** in multiple lower level environments such as **CI** and **QA** to validate test cases and ensure valid data representation with over **1,000,000 data points**.
- Created automated tests using **Cypress** and **Playwright** to offload repetitive work, resulting in stories moving through the **pipeline** faster and increased **code coverage**.
- Handled validations of user stories in four different development environments, adhering to **SAFe** principles to ensure smooth functionality before deploying changes to production.
- Collaborated with the team to refine and estimate user stories in **Azure DevOps** in order to effectively communicate the team's plan for the next program increment

Full Stack Web Developer

ComputingHub • Ann Arbor, MI   05/2023 - 12/2023

- Combined **Ace Editor's** text editor and **Skulpt's Python-to-JavaScript** translator to allow users to run **Python** code natively in the browser.
- Spearheaded a **database migration** from **PocketBase's embedded database** to our own **SQLite database**, ensuring a smooth transition for users.
- Implemented reactivity through **DOM manipulation** for client side interactivity, leading to a clean user experience.
- Created intensive **documentation** regarding dependencies, reactivity scripts and component implementation to allow for easy collaboration with other developers.
- Utilized **Pug.js** to create **HTML** templates for server side rendering, allowing for dynamic data keeping a fast initial page load.
- Used **Prisma** to automatically generate type safe schemas, making for a more secure and fast development experience.

Skills

JavaScript, HTML5, CSS3, Python, Cypress, Playwright, Postman, HTMX, Express.js, Node.js, Flask, SQL, PostgreSQL, MSSQL, SQLite, MongoDB, PocketBase, React, Redux, Angular, Prisma, Svelte, SvelteKit, Alpine.js, Web Components, Google Cloud Run, Firebase, Docker, SAFe, Azure Dev Ops, Agile, Bun, Nginx

Education

Web Development

App Academy • San Francisco, CA   11/2021