

Michael duBois

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Software Developer Engineer in Test

Accomplished Quality Assurance Engineer with 10 years of experience in developing QA processes and test suites, leading teams, and implementing automated testing solutions to enhance product quality and efficiency. Demonstrated ability to work remotely and in fast-paced environments, with a commitment to continuous learning and applying innovative testing strategies to ensure high-quality software delivery.

SKILLS

Programming: Go, Python, JavaScript, TypeScript, Node.js, HTML5, CSS, Bash, C++

Libraries/Frameworks: Echo, HTMX, Django, Flask, Express, Svelte, SvelteKit, React, Playwright, Cypress, TailwindCSS

Platforms: GitHub Actions, GitHub Pages, GitLab CI/CD, Jenkins, Jira, TestRail, KiwiTCMS

Data/Databases: SQL, NoSQL, PostgreSQL, MySQL, MongoDB, Redis

Cloud Technologies: Amazon Web Services (AWS), Google Cloud Platform (GCP), Digital Ocean, Docker

PROFESSIONAL EXPERIENCE

Software Developer Engineer in Test, ConceptIX, *Remote*

Apr 2024 - Present

Tech stack: Go, TypeScript, Python

- Reduced release candidate testing time 30% by developing automated **CI/CD** tests with **Playwright** and **GitHub Actions**.
- Introduced **CI/CD** code quality standards using **Black**, **Prettier**, and **go fmt**, standardizing **7600 lines** of code.
- Reduced the feature development and deployment timeline by an average of **1-2 Days** implementing dev workflows.

Quality Assurance Engineer, Lead Sherpa, *Remote*

Sep 2021 - Mar 2024

Tech stack: Python, Django, TypeScript, React

- Authored and documented QA processes using **ClickUp** to ensure standardized product testing.
- Expanded **automated testing** by developing over 75 test cases using **Cypress** and **Playwright**.
- Designed and documented the product **Manual Testing** strategy by authoring over 100 tests cases within **KiwiTCMS**.
- Identified over 10 product feature regressions by implementing **GitLab CI/CD Merge Request Pipelines**.
- Increase product quality by authoring over 125 product defect reports with detailed setup and replication steps within **Shortcut**, **GitLab**, and **Jira**.
- Developed a script triggered by **GitLab MR webhooks** to automate team **Slack** notifications, update **GitLab** ticket labels, and enforce review processes by adding a blocking MR thread.
- Developed QA helpers, using **Python** and **Docker**, reducing the time for test result comparison by roughly 15 minutes.

Quality Assurance Engineer, National TeleConsultants, *Remote & Glendale, CA*

Feb 2014 - Sep 2021

Tech stack: Python, JavaScript

- Contracted with the **WATCH** team at **Disney** validating regression tests during release cycles.
- Delivered **automated testing** and **manual testing** services for clients including Disney, Verizon Media, and Uplynk.
- Accomplished consistent product testing by using **TestRail** to author over 15 test suites and 150 test cases using **pytest**.
- Increased product quality with **Jira** by authoring over 100 defects with detailed environment and steps for replication.
- Developed QA tooling using **Bash** to generate test fixtures saving 2 minutes per test fixture generated.
- Reduced test environment setup time and variability by creating **docker** images for consistent test environments.

PROJECTS

Leagueify

<https://github.com/Leagueify/leagueify-community>

2024

- Web service for hosting sporting leagues using the **Go** framework **Echo**. Releases trigger a **Docker** image build action.

Idaho Runs

<https://github.com/MichaelCduBois/idaho-runs>

2024

- Website using **HTMX** and **TailwindCSS** for Idaho running events, deployed to **GitHub Pages** via **GitHub Actions**.

Standup

<https://github.com/MichaelCduBois/standup>

2024

- **CLI** tool written in **Go** to organize and summarize daily work to efficiently communicate with team members.

EDUCATION

Bachelor of Arts in Information Technology, Kaplan University