# Mohammad Monfared

## Test Automation Architect | SDET | Lead QA

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**Website:** http://www.monfared.io/ | **GitHub:** https://github.com/mmonfared | **Location:** Downtown Toronto - Canada

- A Software Test Automation Architect and Quality Assurance Team Lead with 10+ years of experience in QA. Built several quality teams, designed full STLCs, and developed multiple industry-standard test automation frameworks.
- A Cypress Ambassador (Cypress blog post about me)
- A Mentor (top ADPList 1% worldwide in engineering and top 50 in QA) who helped many people in their careers. (My ADPList profile)
- A Consultant for companies, aiding them in establishing effective QA/QAA strategies and processes.
- A YouTube instructor, creating tutorials about Test Automation. (My YouTube Channel)
- A Writer on QA/QAA topics, sharing insights on my ~13K LinkedIn page and other blogs (Medium).

# Work Experiences

## DataArt – Senior Test Automation Developer (SDET) / Senior Team Lead

*Sep 2022 – Present, Canada Remote*

**Project related:**
Working on a large project with more than 12 million users along with responsibilities as Test Automation CoE leader in DataArt

- Contributing to a large codebase containing ~ 5,000 tests, covering Integration, UAT, Visual, Snapshot, Unit, E2E, and API tests.
  Stack: Cypress + Javascript/Typescript + Mocha + Applitools | Appium + Python + Pytest
- Reviewing new PRs - 3 or 4 of them each day.
- Integrating tests into CI/CD DevOps pipelines (Jenkins+Github Enterprise+Cypress Cloud) which has +100 machines and +300 test runs per day
- Working with high-level orchestration/containerized environments (Docker + Kubernetes)

**DataArt related:**

- Created internal educational courses for DataArt (Selenium/Cypress) each requiring about 100 hrs to finish and enrolled by +200 colleagues | Reviewing and grading participants
- Participated in updating the company QAA qualification matrix / Research about leveraging AI for Software Testing.
- Run internal and external webinars. (Link to one)
- Successfully mentored various mentees and helped them get new qualification levels.

## Routetitan – Quality Assurance Lead | Senior QA Automation Engineer

*Jun 2021 – Sep 2022, Armenia*

Joined as a QA Automation engineer and then promoted to QA Lead.

**QA Lead (May 2022 - Sep 2022):**
- Led a QA team of 4 people.
- Initiated BDD at the organizational level, enhancing the entire SDLC with a Shift-Left approach. Led meetings to onboard teams and adopted Gherkin syntax for acceptance criteria, bug reports, and test cases. This resulted in a well-organized, automated feature reference that served as a Living Document.
- Hired and onboarded other QA team members.

**Senior QA Automation Engineer (Jun 2021 - May 2022):**

- Developed a Web UI Test Automation framework from scratch using Selenium/Robot framework. Increased regression test automation coverage by 90% and smoke tests by 100%. (Number of automated features/test-cases)
- Built a performance test framework using K6.io (and Grafana dashboard for delivering informative results). This caused the development team to improve the web app performance by ~20%.
- Integrated test automation framework into CI pipelines for different approaches (Nightly / Check-ins / Smoke)
- Documented all processes thoroughly in Confluence, wrote detailed project README.md files, and delivered the code with extensive comments and docstrings.

## Snapp – QA Automation Engineer

*Jan 2020 - Jun 2021, Remote*

Snapp is a big mobile and web-based smart transportation system with +60 million users.
- Implemented and maintained End-to-end/Mobile/API automation scripts for Snapp's applications using pure Python, Selenium, Appium, and RobotFramework (Android/PWA/API). - Added/Updated ~ 150 Functional E2E Tests and ~ 200 API automation tests
- Worked with Snapp's backends including Databases, APIs, Cloud environments, etc to ensure the maximum test coverage.
- Wrote internal QA Automation documents, projects' README files, and onboarding new QA Automation joiners.

## INFINITE8 – QA Lead

*Nov 2018 - Dec 2019, UAE - Remote*
- Built a QA Team from scratch and managed all QA activities including test documentation, test planning and test running. Responsible for multiple projects. (7 team members when leaving).
- Hired and onboarded various 10 QA team members.
- Built a codeless UI/API/Mobile automation framework using Katalon Studio and onboarded 5 manual QAs to use and contribute to automation.
- Implemented STLC best practices covering all requirements to align with SDLC and release plans (by considering risks).
- Performed functional and non-functional test plans (with the team) and delivered comprehensive reports for each cycle.

**TGBS** – QA Lead | QA Engineer

*Jun 2015 – Nov 2018, Remote*

TGBS was a leading IT company and had a wide range of applications and projects including Medal, Clipo, WiniGames, etc.

**QA Lead (Jan 2017 - Nov 2018):**
- Built a QA team and test process from scratch for multiple projects. (led 5 team members).
- Onboarded all PMs and key team leads in QA to establish an agile testing culture.
- Wrote over 200 new test cases, achieving ~ 90% coverage in the RTM.

**QA Engineer (Jul 2015 - Jan 2017):**

- Managed the end-to-end testing process for 6 TGBS applications, designing and executing approximately 500 test cases across multiple platforms, which increased RTM coverage by 70%.
- Collaborated closely with cross-functional teams (developers, product managers, and business analysts) to define acceptance criteria, identify potential risks, and resolve defects
- Maintained comprehensive test documentation, including test plans, test cases, and bug reports, using tools like Jira and TestRail.
- Actively participated in sprint planning, retros, daily stand-ups, and release cycles, contributing to continuous process improvements

# Skills / Tools / Technologies:

- **Languages:** Python, JavaScript, Typescript, HTML/CSS, Bash
- **Web Automation:** Selenium, Cypress, RobotFramework, Playwright, WebDriverIO
- **Mobile Automation:** Appium, Katalon
- **API Automation:** REST, Cypress, Postman, SoapUI, Karate
- **Unit/Integration test:** Pytest, Unittest, Mocha, Puppeteer, Testing library
- **Performance test:** K6.io, jMeter, Loader.io
- **Continuous Integration /Continuous  Delivery:** GitHub Actions, Gitlab CI, Jenkins
- **Dev Envs:** Docker, Kubernetes, Openshift
- **BDD:** Cucumber.io, Behave, Serenity
- **Reporting:** AllureReport, Mochawesome, Grafana, ReportPortal
- **HTTP monitor:** Fiddler, CharlesProxy, DevTools
- **VCS:** GitHub, Gitlab, Bitbucket
- **Issue Tracker:** Jira, YouTrack
- **Test management:** Testrail, Jira Xray, Testlink
- **Other:** Agile and SDLC, SQL, Testproject.io, Swagger, ChromeDevTools, BrowserStack, Confluence, Notion

# Education

**Bachelor's of Engineering, Information Technology**
University of Applied Science and Technology (UAST)

# Top Projects
- **CyFramework** – A test automation framework using Cypress + Step-by-Step Implementation Guide - Got 40 Stars and 10 Forks -  GitHub repo
- **CyBDD** – An implementation of BDD (cucumber) in Cypress + Step-by-Step Guide - Got 11 Stars - GitHub repo
- **automationcamp-[selenium/cypress/appium]** – Projects created during my Tutorials on YouTube. (Work as Recipe) - Got 28 Stars and 11 Forks GitHub repo
- **AutomationCamp** – My QA/QAA educational website created using Docusaurus + React + TS - Address
- **monfared.io** – My online resume/portfolio created using pure HTML/CSS/Tailwind - https://monfared.io/

# Certificates
- **Python 3** – Sololearn - Link
- **ADPList** - 3000 Mentorship Minutes - Link
- **Appium Mobile Automation Testing** – Udemy - Link
- **OWASP 10** – Udemy - Link
- **Cypress Frameworks** – Udemy - Link
- **Python 3** – LinkedIn Skill Assessment
- **Various Certificates** - Listed in Linkedin

# Volunteering

- **Cypress.io** – Ambassador |  From Jun 22
- **YouTube /** AutomationCamp - Free online QA and QA Automation learning channel for the Persian community | From Nov 2021
- **ADPList** - Mentor | From Oct 2023
- **Various QA/QAA communities** - Helping QA and test automation professionals navigate their daily challenges or advance their careers. | From 2019

# Languages:

- **English** – Fluent (Certified by Duolingo English Test - Score: 110 ) - Link
- **Persian** – Native