

# Mohammad Monfared

## Test Automation Engineer | SDET

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### Summary:

- a Software Test Automation Architect and Team Lead with +12 years in IT and +8 years in QA/QAA. Formed multiple Quality Assurance teams, developed several Functional/Non-functional full STLCs and 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](#))
- 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, personal blog).
- a Consultant for companies, aiding them in establishing effective QA/QAA strategies and processes.

### 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
- 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 Tools & Technologies: Testproject.io, Swagger, ChromeDevTools, BrowserStack, Confluence, Notion
- Soft Skills: Good Communication, Leadership and Ownership, Problem Solving, Time Management, Conflict Resolution

### Work Experiences

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

Sep 2022 – Present, Armenia / Remote from Canada

##### Project related:

Working on a large project with more than 12 million users.

- Contributing to integration tests using Cypress + JS/TS. (Handling a large codebase containing ~5000 tests)
- Reviewing new PRs - 3 or 4 of them each day.
- Integrating tests into CI/CD (Jenkins+Github Enterprise).
- Working with high-level orchestration/containerized environments (Docker + Kubernetes)

##### DataArt related:

- Created internal educational courses for DataArt (Selenium/Cypress) + Reviewing and grading participants.
- Participated in updating the company QAA qualification matrix.
- Run internal and external webinars. ([Link to one](#))
- Successfully mentored various mentees and helped them get new qualification levels.

#### Routetitan – QA 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.
- Implemented BDD approach at the organizational level and improved all SDLC flow with the Shift-Left approach. To do that I had lots of meetings to explain and onboard others and finally, we Implemented Gherkin syntax for acceptance criteria definitions, bug reports, and test cases. At the end, we had a well-organized feature reference which was also a Living Document because of automation.
- Hired and onboarded other QA team members.

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

- Implemented 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)
- Implemented a performance test framework from scratch using K6.io and delivered the results in the form of informative reports. This caused the development team to improve the web app performance by ~20%.
- Implemented 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, Iran*

Snapp is Iran's first and biggest mobile and web-based smart transportation system with +60 million users. As a QA Automation Developer, I was responsible for:

- Implementing and maintaining E2E/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
- Working with Snapp's backends including Databases, APIs, Cloud environments, etc to ensure the maximum test coverage.
- Writing 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 implemented all QA activities including test documentation, test planning and test running. Responsible for multiple projects. (7 team members when leaving).
- Hired and onboarded various QA team members.
- Built a codeless UI/API/Mobile automation framework using Katalon Studio and onboarded 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.

## **[TadbirGostaran](#) – QA Lead | App Reviewer/QA**

*Jun 2015 – Nov 2018, Iran*

Tadbir Gostaran -e- Behine Saz (TGBS co) was a leading IT company in Iran and had a wide range of applications and projects including "IranApps", "Medal", "Clipo", "WiniGames", "GanjeAshena", etc.

**QA Lead (Jul 2017 - Nov 2018):**

- Built a QA team and test process from scratch for the multiple projects listed above. (led 5 team members).
- Onboarded all PMs and key team leads in QA to establish an agile testing culture.

**App Review Lead - IranApps (Jan 2017 - Jul 2017):**

- Led a team of 3 app reviewers/QAs in IranApps.

**App Reviewer - IranApps (Jul 2015 - Jan 2017):**

- IranApps was one of the largest Android stores in the Middle East and one of TGBS projects. In IranApps, I was a tester and app reviewer (auditor), responsible for reviewing the apps pending release. I tested/audited hundreds of applications and games every day that were developed with different technologies and features.

## **Education**

**Bachelor's of Engineering, Information Technology**

University of Applied Science and Technology (UAST) - Iran

## **Top Projects**

- **CyFramework** – A test automation framework using Cypress + Step-by-Step Implementation Guide - [GitHub repo](#)
- **CyBDD** – An implementation of BDD (cucumber) in Cypress + Step-by-Step Guide - [GitHub repo](#)
- **automationcamp-selenium** – A project created during my Selenium Tutorial on YouTube. (Works as a Selenium Recipe)- [GitHub repo](#)
- **automationcamp-cypress** – A project created during my Cypress Tutorial on YouTube. (Works as a Cypress Recipe)- [GitHub repo](#)
- **automationcamp-appium** – A project created during my Appium Tutorial on YouTube. (Works as an Appium Recipe)- [GitHub repo](#)
- **AutomationCamp** – My QA/QAA educational website (in Persian) created using Docusaurus + React + TS - <https://automationcamp.ir/>
- **monfared.io** – My online resume/portfolio created using pure HTML/CSS/Tailwind - <https://monfared.io/>

## **Certificates**

- **Python 3** – Sololearn - [Link](#)
- **Appium Mobile Automation Testing** – Udemy - [Link](#)
- **OWASP 10** – Udemy - [Link](#)
- **Cypress Frameworks** – Udemy - [Link](#)
- **Python 3** – LinkedIn Skill Assessment
- **etc.** - 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** – Advanced (Certified by Duolingo English Test - Score: 110 ) - [Link](#)
- **Persian** – Native