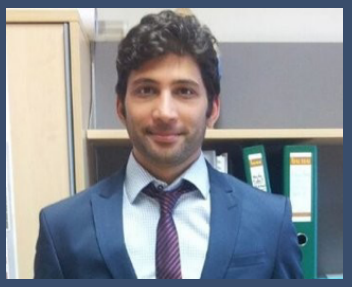
Mohsen Fakhari

Software Test Automation (Software Developer In Test)



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Passionate Test Automation engineer with a strong track record in designing innovative testing solutions and streamlining complex workflows across industries. Skilled in leveraging advanced Tools and automation frameworks to deliver efficient and reliable software. With hands-on experience in CI/CD pipelines, custom application development and optimizing manual testing processes, I am committed to enhancing software quality and aligning technical solutions with business objectives. Dedicated to continuous learning and impactful contributions, I aim to drive excellence in every project I undertake.

Work History

Oct 2021 - Current

Software Developer /Test Automation Engineer

QESTIT, Vienna, Austria

Position: Consultant

Projects:

1-SVC (Austrian Health System)

- **Significantly Reducing Manual Testing Effort:** Designed and implemented **automated testing solutions**, including a **Java-based platform** that empowers testers to write and execute tests directly within Excel files as input data, generating **comprehensive HTML reports.** This user-friendly solution streamlined the testing process, significantly reducing manual testing effort from 2 days to under a minute. Our ongoing development aims to further reduce this to under 10 minutes for a 60-hour workload, with clear and understandable reports.
- **Enhanced Efficiency and Automation:** Developed custom test scripts for complex applications, leveraging frameworks like **JUnit** and **TestNG** for test execution. Additionally, created batch scripts to automate **Tosca** environment setup, streamlining the entire testing process
- Defect Management & Collaboration: Identified & reported bugs, collaborating with team to resolve them & ensure timely delivery of high-quality software.
- Spearheaded **CI/CD** Implementation (Jenkins): Managed system test deployments and version control using Jenkins pipelines. Collaboratively **developed automated test pipelines** with a colleague, aiming to streamline testing through Jenkins integration.

- **Tosca** Testing: Executed both frontend and backend tests using Tosca, automating workflows to enhance test coverage and efficiency.
- **SOAPUI** Testing: Performed comprehensive SOAP UI, ensuring secure, reliable and functional endpoint.
- **Desktop Application Development**: Designed and developed a card simulator desktop application, enabling testers to simulate card insertions and test the platform efficiently.

2-ÖBB (Austrian Federal Railways):

- Designed and implemented a test system to automate the validation of train schedules generated by the ÖBB's **Fahrplannung** (schedule planning) application. This test system compared outputs from a new scheduling tool with a reference tool, ensuring accurate timings, routes, and potential conflict identification for the train network.

Feb 2019 - Sep 2021

Software Developer in Test

BVAEB, Vienna, Austria

- Developed automated test scripts using **Java, Selenium WebDriver, JUnit, and RC** Server for GUI, backend, and database validation.
- Automated batch processes to manipulate databases and validate backend workflows, ensuring data integrity.
- Designed and executed **API tests with SoapUI**, ensuring secure and functional endpoints.
- Managed test environment updates via **Jenkins** pipelines, integrating automated tests into the CI/CD pipeline for rapid feedback and consistent quality checks.
- Conducted **cross-browser GUI** testing and resolved dynamic element issues, ensuring consistent user experiences.
- Documented test cases and tracked progress using **Zephyr** and **JIRA**, enhancing test management and collaboration.
- Improved efficiency by automating batch processes for backend workflows, reducing manual testing efforts by 60%.

Aug 2015 - Dec 2018

Petroleum Engineer (Research & Development)

Department Petroleum Engineering, Leoben, Austria

- **Sand control and scaling Research:**
  - Designed and built a test flow loop to replicate field production processes, enhancing oil and gas production through optimized gravel packing and advanced data analysis.
  - Innovated a glass beads gravel aching system with OMV and Swarco, improving permeability and reducing scaling.

- **Energy Recovery and Oil & Gas Production Enhancement:**
  - used Pipesim to identify optimal operating conditions in depleted reservoirs and consulted oil companies on efficient pump replacement strategies.

- **Oil-Water Separation and Emulsion Challenges:**
  - Engineered solutions for achieving efficient oil-water separation using ultrasound and chemical methods, enhancing process efficiency in production facilities.
  - Developed techniques to overcome emulsion-related bottlenecks in surface facility designs, leading to improved operational efficiency.

Education

Oct 2012 - May 2014

Master of Petroleum Engineering

University of Leoben - Leoben, Austria

Thesis: Evaluation of Hydrophobic Coated Glass Beads for Utilization in Gravel Pack.

2011

Bachelor of Science: Petroleum Engineering

Islamic Azad University-South Tehran Branch - Tehran

Accomplishments

- ISTQB foundation level - ISTQB - International Software Testing Qualifications Board
- Certified professional for requirement Engineering - IREB
- EdX Verified Certificate for How to Code: Simple Data - The University of British Columbia
- EdX Verified Certificate for Data Science: Machine Learning - Harvard University
- EdX Verified Certificate for Analyzing and Visualizing Data with Power BI - Microsoft
- EdX Verified Certificate for Introduction to Python for Data Science - Microsoft
- Automation Specialist Level 1 & 2 - Tricentis