Imad Alassi

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**Automation Architect Consultant   
Software Solution Enterprise**

# Career Objective

Utilize my ability to design and implement automation solutions to diagnose software applications efficiency leaks.

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|  | **Career Highlights** |
|  | *Developed a solution to execute 1000 transactions using eleven Point of Sale terminals. A host and 10 client terminals running random credit card transactions.* |
|  | *Developed Dynamic Control Property Identification (DCPI) using Descriptive Programming to apply actions against controls without using any repository.* |
|  | *Developed Software Test Automation Frameworks (STAFs) using Selenium WebDriver, Silk Test, Test Partner, QTP (Unified Functional Tester), Rational Functional Tester, TestComplete and SoapUI* |
|  | *Developed HTML User Interface to empower QA resources develop automated test cases and execute them against Application Under Test (AUT) without writing a single line of code* |
|  | *Experience in C, C#, VBA, VBScript, Java, JavaScript and HTML* |
|  | **Professional Experience** |

## Agiliti Health Minnesota

Principal Automation Engineer *(Dec 2020 – Current)*

* Developed a codeless automation solution to test web applications using Selenium-WebDriver Java
* Prepare, validate, and release test framework updates to a team of 10 automation engineers.
* Lead test automation engineers to build regression test suites to test several web applications
* Provide technical expertise as well as guide engineers related to technical issues, they encounter during test script development.

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## Allianz Life Insurance (contract) Minnesota

Automation Architect Consultant *(Sept 2017 – Current)*

* Developed a codeless solution to empower manual testers to develop test scripts to test IBM iSeries applications.
* Worked with Unified Functional Testing tool to develop automation solutions to test web and desktop applications utilizing keyword and data driven methodologies
* Developed VBScript (non-UFT) solutions to cut down on QA cycles and speed-up deployments.
* Developed automation solutions using Selenium WebDriver C# to automate smoke test cases for several web applications.
* Developed a User Interface to enable users to select and run automation solutions (smoke, functional and regression) from several platforms: VBScript (Non-UFT), UFT, Selenium Java and Selenium C#.
* Developed a User Interface to test connections to several Databases and run different queries to minimize manual effort and speed up productivity.
* Implemented my codeless KickStart Selenium - WebDriver Java based solution to help Allianz test any web application with ease. KickStart was selected over a Capgemini Café Next product.

**SWAT Solutions** (C2C) **Minnesota**

Automation Architect Consultant

## Helped two clients (Pace Analytic and RedHat/ThyssenKrupp) by designing, developing, and implementing a hybrid test automation framework using Selenium/WebDriver

## Pace Analytical (contract) Minnesota

Automation Architect Consultant *(April – June 2016)*

## Designed and developed a hybrid test automation framework using Selenium/WebDriver using Java to test their core web application by implementing application specific functions to test certain modules.

## ThyssenKrupp Corporation (contract) Texas

Automation Architect Consultant *(Feb 2016 –Sept 2017)*

## Designed and developed a hybrid test automation framework using Selenium/WebDriver using Java to test two different applications (Mobile and Web applications) by implementing Data & Keyword Driven methodologies

## Merrill Corporation (contract) Minnesota

Automation Architect Consultant *(July 2015 – Feb2016)*

* Developed a hybrid framework using TestComplete and Visual Basic Script to empower users to develop automated test cases utilizing keyword and data driven methodologies.
* Meeting with development director and senior developers for code review on weekly bases to ensure that we are building a robust and a scalable solution for current application under tests as well as future applications.

## Target Corporation (contract) Minnesota

Sr. Automation Consultant *(July 2014 – July 2015)*

* Developed groovy scripts using SoapUI to test several web services for mobile applications to validate over 1800 stores departments, services and products.
* Developed automation framework using Selenium / WebDriver and Appium (mobile automation server) to test *Target InHouse* mobile application on iOS phones.
* Developed an automation solution to test *Target InHouse* on Android phones using Cucumber – Calabash and Ruby.

## Whitebox Advisors (contract) Minnesota

Sr. Automation Consultant *(April 2014 – July 2014)*

* Developed a framework using Unified Functional Tester (QTP 12.0) utilizing data driven methodology and descriptive programming to test the backend database system that supports the firm trading transactions.
* Designed and developed a front-end user interface to enable users to run different tests from different data sources.
* Trained individuals to maintain and improve the automation solution in place for future additional needs.

## Prime Therapeutics (contract) Minnesota

## Sr. Automation Consultant *(March 2012 – April 2014)* RxClaim, Rebates and Benefit Plan Wizard

* Utilized Data Driven methodology to execute automated tests against an AS400 RxClaim application
* Developed a framework to execute automated test cases using Visual Basic Script
* Developed an HTML User Interface to modify, add and execute automated tests from a centralized location
* Trained automation teams on how to maintain automation framework infrastructure for future enhancements
* Generated automated documents for test resources to support and maintain framework infrastructure
* Developed test automation solutions for two web applications utilizing Quick Test Pro Descriptive Programming methodology.
* Developed Dynamic Control Property Identification (DCPI) using Descriptive Programming to apply actions against controls without using any repository.
* Company saves 2 million dollars on annual bases as an outcome of my work

## TEK Systems (contract) Minnesota

Principle Test Automation Consultant *(June 2012 –Current)*

* Screened test automation candidates prior to clients’ interviews to ensure they are fit for positions clients are searching for.
* Discuss future service plans with sales individuals to analyze plans to assist clients’ needs to implement test automation solutions, such as selecting test automation tools and allocating budget to cover cost.

## BlueCross BlueShield of Minnesota (contract) Minnesota

Sr. Test Designer/Developer *(Jan 2011 – Feb 2012)*

* Participated in planning the testing activities for assigned projects by attending requirements, high-end detail level design and use case reviews and walkthroughs
* Worked with DB2 database to execute and verify data before and after manual and automation test execution
* Created test plan documents for projects that encompass end-to-end testing
* Conducted risk analysis to ensure testing is focused on most critical functionality and usability
* Documented training materials for the IT team to work with SoapUI application
* Developed test automation solutions to test web services using SoapUI application by implementing data driven methodology, utilizing my experience with Java and DB2 Database
* Developed a deliverable automated process for manual testers to automate their web service test cases without the need to have any knowledge of any code or database queries development
* Worked with IBM Rational Functional Tester application for developing a solution to automate certain areas that saved the company time and money
* Executed test automated scripts and reported results using a report module I developed using simple HTML table. Such module could be easily implemented and configured by any group or company to meet their report needs and configurations
* Provided training for testers on how to take full advantage of using automated systems
* Provided estimated documents for management to better understand cost and future planning before attempting to work on automation processes or solutions
* Defined test data specifications and created test scenarios and test cases
* Participated in and lead test strategies, test plans, test cases and test results walkthroughs with business and application development stakeholders
* Participated in the analysis of test environment requirements and set up for both primary and interfacing systems

## PeopleNet Communications Corporation (full time)

Software Test Automation Framework Architect *(Mar. 2008 – Jan 2011)*

* Architected, developed and implemented two test automation frameworks using Automate (automation software application) and TestQuest Pro to execute automated test cases against two different platforms: Web and Window CE applications respectively
* Utilized Object actions, keyword and data driven methodologies to execute test cases. Developed dynamic HTML reporting during test execution.
* Developed the Excel file template to add test cases’ instructions.
* Trained QA team to develop automated test cases and trained automation team to support test frameworks by maintaining existing functions and how to develop new ones
* Worked with TestQuest Pro, developed a method to speed up test case execution by remembering dynamically the positions of the objects under test
* Developed configuration files that users can setup to execute test cases’ instructions such as menu navigation.
* Developed a middle tier .NET application to pass automated test scripts instructions to TestQuest Pro framework from MSSQL then report test results from TestQuest Pro back to Database.
* Modified existing .Net applications to use running automated test script

## Open Access Technology International, Inc (contract) Minnesota

Sr. Software Test Automation Analyst *(Jul 2009 –Mar 2010)*

* Designed and documented a solution to maintain and analyze product quality
* Developed a software application with MSSQL back-end to support the company software solution infrastructure
* Provided training to developers to support, maintain and implement the software solution to be used with other company products
* Provided a detailed design document for an application to quantify and maintain the company product quality checkpoints

## Thomson West, Eagan (contract) Minnesota

Sr. Automation Quality Assurance Analyst -- *Publicly held company. (Mar. 2007 - Feb. 2008)*

* Trained and led test automation team to develop proper tests using new configurations and methodologies by conducting one on one sessions helping them develop functions to automate existing manual test cases
* Developed new functions to improve test automation process and framework using Compuware Test Partner test automation tool (Visual Basic based application)
* Converted manual regression test cases to automated test cases utilizing new framework functions
* Ran test cases directly from excel files using keyword driven methodology. Such keywords are represented with actual functions in the test automation framework
* Developed performance automated test cases to measure the application under test performance interacting with database.
* Improved logging test results using existing Test cases excel format by adding the ability to write to the same excel file

## International Decision Systems (contract) Minnesota

Sr. Automation Quality Assurance Analyst -- *Publicly held company. (Nov. 2006 - Mar. 2007)*

* Trained / supported automation core team develop proper test configurations using the new data driven methodology
* Developed / Enhanced test automation framework infrastructure using Silk test automation software to test earlier, test more, reduce costs and speed up release time
* Developed a new data driven methodology to run test instructions / steps from excel worksheets instead of running them directly from several CSV and Silk Plan files. Such improvement helped better maintain the automation code and test cases
* Executed SQL statements to extract and manipulate records
* Improved test results by generating a report file for each test case instead of having a single report file for all the tests cases

## Kroll Ontrack, Eden Prairie (full time) Minnesota

Sr. Automation Quality Assurance Engineer -- *Publicly held company. (June 2005 - Nov.2006)*

* Led a team of 4 people to develop a solution to automate regression test cases using TestPartner Partner (Compuware) test automation software (Visual Basic based application)
* Architected automation framework back-end using Test Partner along with front-end C Sharp application to assist QA department to run smoke, regression and system tests without the need to write a single line of code.
* Developed keyword driven automated tests using QTP (Quick Test Pro: HP Software test automation Visual Basic Script tool) running regression Tests.
* Developed framework functions to allow users to execute SQL statements against tables and databases under test
* Maintained automation test scripts
* Designed VerSQL C# application to verify SQL data from several Databases
* Reviewed project requirements and design specifications
* Provided estimates for Quality Assurance projects
* Assigned and lead test resources for specific project tasks
* Tracked and monitor testing progress
* Provided standard test metrics for overall project to the project team
* Developed and published test reports
* Defined and organized project objectives prior to test phase
* Investigated problems assigned by management
* Company saves an amount of half a million dollars on annual bases as an outcome of my work

## TestQuest, Chanhassen (full time) Minnesota

Lead Test Engineer *(June 2000 - June 2005)*

* Principal quality assurance resource for company’s core product (TestQuest Pro), which is an enterprise level hardware and software test automation solution used by Fortune 500 companies to test components and validate proper usage scenarios (functional and System tests) of products such as mobile phones, set-top boxes, and medical technology.
* Utilized methodologies using C & C++ to automate manual test cases.
* Built tools using VB and C# to improve the execution of existing automated test solutions.
* Designed Data Driven Test-Beds to drive test cases from Microsoft Excel Files through C Script Language (TestQuest Pro Programming Language) and display test results into HTML tables.
* Responsible for releasing new internal and external software updates.
* Worked with the software group to validate and approve ongoing software releases.
* Worked with several departments (sales, support, engineering, training, and marketing) to guarantee customer satisfaction.
* Extensive experience with InstallShield Software and Continuus (Telelogic) Configuration Management tool.

## Digi International (full time) Minnesota

Senior Software Test Engineer *-- Publicly traded communications and networking hardware company (1999-2000).*

* Designed and implemented structured test automation plans using TCL script language on Linux platform for company’s communications adapter, LAN, terminal server, and USB product lines.
* Tested operating systems and firmware for numerous of supported network equipment configurations.

## IVI Checkmate Corporation (full time) Minnesota

Software Engineer *– Publicly held supplier of Point-of-Sale (POS) terminals. (1999)*

* Designed flow charts and functional specifications for new Point-of-Sale (POS) application modules.
* Developed C and C++ code for POS applications based on 80186 embedded multitasking operating system using Borland programming platform.
* Utilized various development tools and debuggers such as Codewright and Paradigm to rectify software and hardware problems.

## DataCard Group (full time) Minnesota

Software Test Engineer *-- Privately held supplier of smart cards, identity systems, and POS technology.* *(1997-1999)*

* Created test plans and test cases; tested new software applications written for POS terminals.
* Assisted marketing and technical writing groups to ensure higher quality and customer satisfaction
* Designed programs to create scripts for test automation; used software packages to analyze code.
* Worked with engineers, marketing, sales and customers on troubleshooting, testing and repair.
* Updated test plans and tested new software applications written for POS terminals.
* Trained new software interns on becoming familiar with test procedures.
* *Developed my first complete automation solution to execute about 1000 transactions using eleven Point of Sale terminals. A Host and 10 client terminals running random credit card transactions.*

## V-TEK Corporation Minnesota

Electrical Engineer (Intern) *– Privately held taping and component handling equipment manufacturer.* *(1997)*

* Troubleshot wiring and specification malfunctions.
* Wrote several assembly programs using Microprocessor 16PIC74 to enhance motor operation.
* Completed documentation about the internship project.

## Minnesota State University Minnesota

Hardware Manager – *Public educational institution. (1995-1997)*

* Responsible for 475 microcomputer and terminals and 60 printers (installation of both and maintenance of software and hardware).
* Setup Local Area Networks; diagnosed network problems.
* Taught classes on the use of various software packages.

# Education

**Minnesota State University, Mankato, Minnesota (1997)**

Bachelor of Science - Electrical Engineering

## Northern Alberta Institute of Technology, Alberta, Canada (1992) Associates Degree - Telecommunications Engineering Technology