

# Nilab (Neil) Akrami

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## Software Automation Engineer



Recognized by DAI Global/USAID 2013: <https://2012-2017.usaid.gov/results-data/success-stories/byte-sized-success-woman>

To achieve a Software QA Analyst and Automation position that allows to develop and utilize my extensive testing skills and knowledge while applying my experience to solve complex problems in a dynamically challenging environment.

### Professional Summary

- Over **5 years** of experience in Information Technology field, concentrating in **Quality Assurance Testing** and **Manual Testing** of Client and Server and Web-based applications
- Participate in all stages of the software development lifecycle in a fast-paced software development environment **SDLC (Requirements, Design, Implementation, Test and Production)** and **STLC (Requirement Analysis, Test Plan, Test Case development, Set-Up environment, Test Case execution and Test Case Closure)**
- Knowledge and usage of **Page Object Model** in order to structure and organize **Cucumber framework** and integrated **Maven** as build automation tool
- Expert in developing and creating a framework using tools like **Selenium, Junit** and **Cucumber**
- Developed feature files following **BDD** approach using **Gherkin** language also implemented Step Definitions using **Selenium, Java** code a performed verification using **Junit** assertions
- Developed Test Scripts to implement **Test Cases, Test Scenarios**, and features for **BDD (Behavior Driven Development), TDD (Test Driven Development)** using **Cucumber**
- Proficient in executing **Data Driving Testing** by using **Cucumber** Scenario Outline and Datable
- Strong skills in developing and executing different types of testing such as **Smoke Testing, Regression Testing, Functional Testing, Positive and Negative Testing, Black-box Testing, Front and Back-end Testing, Boundary Testing, Cross-Browser Testing and Integration Testing**
- Experience writing code using of Java Language with eclipse
- Core knowledge and understanding of **Object-Oriented Programing** Concepts, **WebDriver**, Different types of Waits and Collections
- Proficient in using test automation tools such as **Selenium WebDriver, Selenium Remote Control, Selenium 3** to develop automation testing scripts for web and client server applications
- Sound knowledge on **Junit, TestNG** framework for Unit testing, **Maven, Jenkins** for **Continuous** and build Integration
- Hands on experience using **JIRA** as management and bug tracking tool, used **Git/GitHub** as a version control system for team collaboration and prevent data redundancy
- Experience with **continuous Integration** tools and configuration management (**Jenkins**)
- Experience in database query languages using **MySQL** and **Oracle** for **Manual Testing** and use **JDBC** java library for database **Automation Test**
- Hands on experience **Manually Testing Restful APIs** using **Postman** and **Rest Assured**
- Strong team player with **excellent communication**, documentation and problem-solving skills, quick learner, and Technology lover

### **Legal Status:**

Green Card holder

### **Certifications**

- 2010 Microsoft Certified Solutions Expert (MCSE)
- 2010 Microsoft Certified IT Professional (MCIT)

### **Knowledge & Skills**

#### *Operating Systems:*

- MS Office 365
- Mac OS / Windows OS
- Linux

#### *Scripting Languages:*

- Java
- JavaScript

#### *Markup Languages:*

- PHP
- HTML
- CSS

#### *Databases:*

- MySQL
- Oracle
- MS Access

#### *Testing Tools:*

- Selenium3/Selenium Web Driver

#### *IDE:*

- Eclipse, SQL, Developer

#### *Test Framework:*

Junit, TestNG, Data Driven Framework, Cucumber

## Professional Experience

### **QA Test Engineer: Alliance Tek, VA**

**03/2018-01/Present**

- Gathered and reviewed requirement documentation such as business requirements, ensuring each requirement was covered
- Reviewed the Requirement **Traceability Matrix**, designed and documented **Test Strategies, Test Cases** and executed **test cases**
- Extensively used Selenium **Web driver** methods to build the framework and run the test scripts
- Using **JSON** (JavaScript Object Notation), with API testing
- Using **CSS Selector** and **locator** to locate element on DOM and UI web
- Extensively used **POM model** to create the reusability of same objects for different tests
- Used core **Java** concepts that includes Collections, Exception handling, Oops for coding business related activities
- Developed **Test Scripts** to implement **Test Cases, Test Scenarios**, and features for **BDD (Behavior Driven Development)** using **Cucumber** in **Gherkin** format
- Developed new **Maven** based test scripts using **GitHub** as source repository and **Jenkins** for **continuous Integration** of the builds
- Involved in creation of automation framework in **Selenium WebDriver** using **BDD (Behavior Driven Development)** and **Page Object Model (POM)** design approach
- Worked on **Cross Browser testing** through **Selenium WebDriver** by testing the website on different browsers like Chrome, IE and Firefox
- Involved in the usage of **BDD framework** to develop **Cucumber Step Definitions, Scenarios** and Features using **Gherkin** language
- Used runner classes in **cucumber** to generate step definition and used tags to run different kinds of test suites like **smoke** and **regression**
- Performed **Data Driven Testing** by using **Scenario Outline** with Examples, Excel and Data Table

### **Automation Test Engineer: Fannie Mae, DC**

**01/2016-03/2018**

- Involved in testing activities that allows Applications to meet Business Requirements and Systems goals, fulfill End-User Requirements, and identify existing or potential issues
- Communicated **Test progress, Test Results** to project stakeholders and management
- Developed **Automation framework** using **Selenium WebDriver (Java)** and Test Execution using **TestNG**
- Designed, developed and implemented POM based automation testing framework utilizing **Java, TestNG** and **Selenium WebDriver**
- Maintained **Traceability Matrix** for requirements to test case and created a data load.
- Used element locators like **ID, XPath, CSS Selector**, name, Class Name, linked text, partial linked text and tag name for finding web elements in **Selenium WebDriver**
- Involved in designing and building automation frameworks in support of **Continuous integration** in a **test-driven development (TDD)** with **Selenium WebDriver**
- Used Excel spreadsheets by using **Apache POI** and **TestNG** to configure application framework

### **IT Manager: DAI Global, USAID, Kabul, AF**

**2011-2015**

- Supervised over 200 IT staff to **secure hardware** and **software installations**, managed Active Directory, installed and configured network infrastructure.
- Created policies and procedures, managed IT ticketing system, firewall rules and **network ACLS's**.

## Education

- **Associate of Science: Application and Infrastructure Security** - Merritt College - Oakland, CA
- **Syntax Technologies: Coding Boot Camp**
- **Bachelor of Science: Computer Application (Software Engineering)** – University of Pune - Pune, Maharashtra, India

### **Bug Tracking Tools:**

- JIRA

### **Version Control:**

- Git, GitHub

### **Tools:**

- Maven
- Jenkins
- Wireshark
- Agile
- Autoposity
- BurpSuite
- MySQL
- Git BASH
- Nmap
- Amap
- REST API
- POSTMAN
- sqlmap

### **Industry Knowledge:**

- Test Automation
- Manual Testing
- Functional Testing
- Regression Testing
- Software Quality Assurance
- Scrum
- Application Security
- SDLC
- API Testing
- Postman
- RESTFULL

### **Networking / Protocols:**

- Active Directory
- VOIP/LAN/VPN
- DHCP/DNS/HTTPS
- VMware

### **Languages:**

English, Dari, Pashto, Hindi, Urdu