

# Shiv Gajiwala

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## CAREER HIGHLIGHTS

- ✦ Experienced in developing automation testing platforms, Jenkins Pipelines (DSL), Selenium Tests, SlackBots, and various other tools to improve productivity.
- ✦ Working in a fast-paced agile environment.
- ✦ Vast experience understanding project requirements, documenting functional requirement documents, manuals, and test plans.
- ✦ Comfortable using C#, C++, Java, C, and JavaScript programming languages.
- ✦ Expertise in Automaton Tools and integrating multiple systems to implement efficient and cost-saving solutions.
- ✦ Well-versed in server management, delivering releases, deployments, and customer support.
- ✦ Knowledge of writing database queries in Postgresql, Microsoft SQL Server.
- ✦ Experienced in managing a QA team and assisting in project management.
- ✦ Hands-on developing custom Slack Bot, .NET Core Web API, and various other tools to automate day-to-day tasks.
- ✦ Attention to detail.

## ACADEMIC CREDENTIALS

- Seneca College of Applied Arts and Technology  
Computer Programmer Diploma with a 3.1 GPA.

## TECHNICAL PROFICIENCY

**Testing Tools:** Jenkins, Zephyr Scale, JIRA

**Automation Tools:** Cypress, Selenium, Zalenium, Zephyr Scale API, Slack API, NUnit3, MS Unit Test, Test Stack White, xUnit

**Web Framework:** MVC, ASP .NET , .NET Core, SQL, HTML5, CSS3, JavaScript, REST API.

**Requirement Management Tools:** JIRA, Confluence, Zephyr Scale for Traceability.

**IDE:** MS Visual Studio, Eclipse, Android Studio

**Project Management Tools:** MS Project Professional

**Database Management Tool:** PGAdmin 3/4 (Postgresql), SQL Server Management Studio

**Programming Languages:** Java Script, C#, JAVA, Android, Object-Oriented C++, PHP, JavaScript, CSS3, MYSQL and SQL, Assembler writing for AARCH64 and INTEL X86.

**Operating Systems:** Windows Server 2012 R2, Windows Server 2008 R2, Windows 10, Open Suse 13.2, Ubuntu 16.1, Mac OS X.

**Server Management:** Proxmox, CloneZilla, PfSense Firewall, Active Directory, DNS Resolver, Port Forwarding, Open-VPN.

**Hardware Level understanding:** Controlling GPIOs for Wi-Fi, Bluetooth (BLE) and Serial modules like USART RS232.

**Payload:** XML/XSL, SOAP, REST, JSON

## PROFESSIONAL EXPERIENCE AND ACCOMPLISHMENTS

**A-Run**

**Present**

**Role/Title:** Founder

Focusing on current projects and the expansion of the company.

## **AlayaCare.**

**Toronto, ON | 05.2021 to present**

### **Role/Title:** Senior Quality Specialist / Automation Developer

- ✦ Currently, developing key workflows to streamline manual and automation testing. Things like how to read the business requirement and break it down in the e2e tests/workflow to increase productivity, reduce test overlap, and save time.
- ✦ Developing miro-board diagram to visualize test coverage of features. The diagram is broken down into UI elements, user actions and options. In addition, it shows the coverage by automation, manual and no-tests.
- ✦ Implemented new cypress tests to improve test coverage for the team's domain features.
- ✦ Implemented new features in the company's cypress test libraries which helped other QA devs speed up their test creation.
  - Recently, implemented ParsePDF functionality using `cy.task()` to validate text in downloaded PDF files.
  - Previously, implemented skip functionality to skip remaining cypress tests upon a step failing 3 times in a row. This reduced test suite execution in half.
- ✦ Coordinated release activities with micro-teams.
- ✦ Saved more than 50% of the release coordinator's time by creating a release workflow in Jira, implementing Jira automation rules to post slack messages, manipulate micro-team tickets and other mundane tasks which used to take up more human resources.
- ✦ Mentoring other QA Developers by demonstrating best practices in guild meetings and helping with automation blockers.
- ✦ Performing day-to-day QA tasks like creating test plans, validating tickets, monitoring cypress test results and other tasks which improves the overall quality of the product.

## **Transnomis Solutions Inc.**

**Toronto, ON | 05.2018 to 05.2021**

### **Role/Title:** QA Lead & DevOps Developer

#### **DevOps and Automation Developer**

- ✦ Developed automation testing platform from scratch using C#, Selenium, Nunit3, Jenkins, Zalenium and various other tools.
- ✦ Hands-on with Proxmox, Zephyr Scale & API, Slack API, Developing Zalenium Farm, Batch & Bash scripting.
- ✦ Integrated automation testing with Zephyr Scale and Slack to report results, upload execution videos, exceptions and other logs.
- ✦ Installed and maintaining Jira Server, Confluence, Own Cloud, Git-Lab and other in-house servers & services.
- ✦ Configured PF-Sense firewall for Open-VPN, Reverse Proxy, DNS-Resolver, Port forwarding, Security and many more features.
- ✦ Implemented custom Slack Bot (QA Brains) with many features to keep team members productive; triggering Jenkins jobs from slack, interacting with UNFURLS and Emoji interactions
- ✦ Created and maintaining Jenkins Pipeline as Code (DSL) which Builds, Unit test, Deploy, and Selenium test everytime a commit it pushed to the Gitlab.
- ✦ Also, configured other freestyle jobs for website deployments, restarting servers, cleaning slack channels and various other day to day tasks.

#### **QA Lead**

- ✦ As a QA Lead, managing an Automation Developer and a Manual tester. Duties like code review, defining test scope, 1:1 sessions to review report's work , providing feedback and helping them achive their goal. In addition, participating in sprint planning and making bi-weekly sprint releases.
- ✦ Assisted company's CEO to manage York Region ATMS, York Region School Flashers, Toronto-LDTMS and Edmonton ATMS projects. Carrying out day-to-day tasks like business analysis, keeping track of development progress, weekly meeting with clients. Moreover, performing SAT for customers to ensure requirements are satisfied.

- ✦ Coordinating with clients and partners regards to project requirements, delivering releases and providing support.
- ✦ Currently using Zephyr Scale and Confluence to create/maintain test cases, business requirements and traceability matrix.
- ✦ Helped in writing user manuals and software design documents for various projects.

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## **Infrastructures For Information**

**Toronto, ON | 05.2017 to 04.2018**

### **Role/Title:** Software QA Engineer

- ✦ Developed Automation platform from scratch using TestStackWhite, C# and Windows form application.
- ✦ Built customized GUI tool for QA team to configure automation test cases and deploy it to Virtual Machines.
- ✦ Performed manual testing as needed.
- ✦ Assisting System Administrator to maintain firewall, recovering data from servers in case of catastrophic failure cloned old servers to newer hardware using Clonezilla.

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## **TechTrex Inc.**

**Mississauga, ON | 04.2016 to 05.2017**

### **Role/Title:** Software Developer

- ✦ Software Developer for embedded systems (POS Terminal, Laundry Machine's Card Readers, and Kiosks).
- ✦ Made company's Flagship product Laundry Card Readers stable by fixing more than 30 bugs.
- ✦ Kept SDK updated as per new product requirements.
- ✦ Maintained and backup the company's core servers which hold clients' important parameters, configurations.
- ✦ Interacted with other Engineers for various functional areas to determine design feasibility and component performance characteristics.
- ✦ Designed & developed new features for product enhancement.
- ✦ Debug and performed QA of products to reach optimal performance.
- ✦ Asked customers' feedback and visiting pilot site timely for products' quality improvement.

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## **Seneca College Toronto, ON | 03.2015 – 09.2015**

### **Role/Title:** Computer Lab Assistant

- ✦ Assisted professor during the lab class by helping students with their queries.
- ✦ Upon finishing, evaluate students' lab work.
- ✦ Helping students to debug C++, C, PHP, and Java-based application errors.

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## **GNU C Library**

- ✦ Contributed to GNU C library. Optimized STRCMP function using assembler and vector registers and gained 4 to 5 % improvement on AARCH64. [Link](#).

## **Business Travel**

- ✦ One day trip once a year to Durham Traffic Department, Waterloo Traffic Department and York Region Traffic department for project meetings.
- ✦ Business Trip to China from TechTrex Inc for Project development. June 2016 to July 2016.