

# VRAJ SHAH

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## Professional Summary

Results-driven Software Developer with **experience in mobile development** and a strong foundation in **software testing and automation**. Proficient in **Kotlin, Swift, and Java**, with expertise in designing scalable applications, implementing **test-driven development**, and optimizing software quality. Adept at writing automated test cases, maintaining **CI/CD pipelines**, and collaborating in **Agile teams**. Seeking an **SDET co-op position** to apply my skills in automated testing, performance optimization, and continuous integration.

## Technical Skills

**Programming Languages:** Kotlin, Swift, Java, C#, Python

**Testing & Automation:** JUnit, MSTest, Mockito, Espresso, Selenium WebDriver, Appium, Postman, JMeter

**Development Tools:** Android Studio, Xcode, Gradle, Git, Jenkins, GitHub Actions

**Web Services & API:** Retrofit, OkHttp, REST, JSON, Thrift

**Big Data & Cloud:** Firebase, AWS, MongoDB, Hadoop

**CI/CD & DevOps:** GitLab CI/CD, Bamboo, Docker, Terraform

**Soft skills:** Strong communication, Quick learner, Analytical, Flexible

## Work Experience

### Simform Solutions

Dec 2021 - Nov 2023

*Software Engineer | Mobile Application Developer*

*Ahmedabad, India*

- **Developed and maintained mobile applications** using Kotlin, Swift, and Java, **improving app performance by 40%** through code optimization and efficient memory management.
- **Designed and implemented unit tests** using JUnit and Mockito, **increasing test coverage to 95%** and reducing post-deployment defects.
- **Automated API testing using Postman and Retrofit**, ensuring 99% uptime and reducing manual testing efforts.
- **Collaborated with cross-functional teams** to integrate CI/CD pipelines with Jenkins and GitHub Actions, decreasing deployment time by 50%.
- **Conducted code reviews**, established coding standards, and refactored legacy code, **improving maintainability and reducing bug occurrences by 75%**.
- **Developed test automation scripts** using Selenium WebDriver and Appium, **increasing regression test efficiency by 30%**.

## Education

### Dalhousie University

Jan 2024 - Sep 2025

*Master of Applied Computer Science (Co-op Candidate) — GPA: 4.07/4.3*

*Halifax, Canada*

### Charusat University

Jun 2018 - Apr 2022

*Bachelor of Computer Engineering — GPA: 8.7/10*

*Gujarat, India*

## Projects

### ServiceHub | *Source Code*

ReactJS | Spring Boot (JAVA) | MySQL

- **Designed and built a scalable web application** for service providers and requesters, integrating e-signed contracts and feedback systems, **resulting in a 20% increase in user engagement** by enhancing user trust and interaction flow.
- **Integrated Selenium WebDriver** for end-to-end testing, reducing manual testing workload by 70%.
- **Architected backend using Java Spring Boot and integrated it with a ReactJS frontend**, achieving **99.9% uptime** and enabling seamless real-time interactions among over 1,000 active users.

### Habit | *APK | Source Code*

Android (Kotlin - XML) | Spring Boot (Kotlin) | MongoDB

- Created an intuitive **habit-tracking mobile app** aimed at empowering users to build and manage daily routines; incorporated user feedback into design, resulting in a **40% increase in daily active users**.
- Engineered a robust **Spring Boot backend** integrated with **MongoDB**, achieving secure data storage and enabling seamless **real-time synchronization** across multiple devices for enhanced user experience in habit tracking.
- **Implemented Espresso UI tests and JUnit-based unit tests**, improving software reliability by 40%.

**Vraj Shah**

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17 Feb 2025

[LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [LeetCode](#) | [HackerRank](#)

Hiring Team

Global Relay

**Subject:** Application for **Software Development Engineer in Test Co-op Summer 2025**

Dear Hiring Team,

With a strong foundation in software development, test automation, and continuous integration, I am eager to contribute to Global Relay as a Software Developer in Test (SDET) Co-op. Your mission of delivering industry-leading cloud archiving and compliance solutions aligns well with my technical expertise and passion for software quality.

During my tenure as a Software Engineer at Simform Solutions, I developed and optimized mobile applications using Kotlin and Swift, achieving a 40% improvement in performance. To enhance software reliability, I integrated unit and UI test automation using JUnit, Mockito, and Espresso, increasing test coverage by 60%. Additionally, I collaborated with cross-functional teams to implement CI/CD pipelines, reducing deployment time by 50% and ensuring seamless software delivery. These experiences have honed my ability to build robust automation frameworks and drive software quality initiatives.

Beyond my professional experience, my academic journey has further solidified my expertise in software testing and development. As a Master of Applied Computer Science student at Dalhousie University, I have deepened my knowledge of object-oriented programming, database management, and cloud technologies. I have also worked on projects integrating Selenium WebDriver for end-to-end testing and API automation using Postman, which align closely with the testing methodologies employed at Global Relay.

What excites me most about Global Relay is its commitment to innovation and its emphasis on software quality. I am eager to contribute my skills in automated testing, test-driven development, and agile methodologies to support your team in maintaining high-quality software solutions. Additionally, the opportunity to collaborate with experienced developers and testers in a dynamic environment is something I greatly look forward to.

I welcome the opportunity to discuss how my skills and experience can benefit Global Relay. Thank you for your time and consideration—I look forward to the possibility of contributing to your team.

Sincerely,

Vraj Shah

# Academic Record - Shah, Vraj Sunilkumar (B00979965)

Jan 08, 2025 12:47 am  
For information relating to the transcript see the transcript key ([https://www.dal.ca/admissions/registrars\\_office/transcript\\_key.html](https://www.dal.ca/admissions/registrars_office/transcript_key.html))



**DALHOUSIE**  
UNIVERSITY

## Degrees/Diplomas and Honours Awarded

*This is NOT an official transcript.*

2023/2024 Winter	<u>Credit Hrs</u>	<u>Grade</u>	<u>Median Grade</u>	<u>Enrol</u>
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**Master of Applied Comp Science: Computer Science**

CSCI	D	5100	2	Communicating Comp Sci Ideas	03.0	B+
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In Good Standing

*This is NOT an official transcript.*

2023/2024 Summer	<u>Credit Hrs</u>	<u>Grade</u>	<u>Median Grade</u>	<u>Enrol</u>
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**Master of Applied Comp Science: Computer Science**

CSCI	D	5308	2	Adv Topics in Software Develop	03.0	A+
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CSCI	D	5408	2	Data Mgmt, Warhsng Analytics	03.0	A
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CSCI	D	5709	Adv. Topics in Web Development	03.0	A+
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In Good Standing

***This is NOT an official transcript.***

2024/2025 Fall					<u>Credit Hrs</u>	<u>Grade</u>	<u>Median Grade</u>	<u>Enrol</u>
CSCI	D	5409	2	Adv Topic in Cloud Computing	03.0	A+		
CSCI	D	5411	2	Advanced Cloud Architecting	03.0	A		
CSCI	D	5708	2	Mobile Computing	03.0	A+		
CSCI	D	9890	2	Internship Preparation	00.0	PASS		

In Good Standing

***This is NOT an official transcript.***

**GRADES NOT AVAILABLE** Credit Hrs

**Current Program: 2023/2024 Winter**

**Master of Applied Comp Science: Computer Science**

2023/2024 Winter	CSCI	D 3901 1	Software Development Concepts	6
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**Current Program: 2024/2025 Winter**

**Master of Applied Comp Science: Computer Science**

2024/2025 Winter	CSCI	D 5501 2	Deep Learning Applications	3
2024/2025 Winter	CSCI	D 5601 2	Designing for UX	3

***This is NOT an official transcript.***