

# VRAJ SHAH

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## Education

### Dalhousie University

Master of Applied Computer Science — GPA: 4.07/4.3

Jan 2024 - Sep 2025

Halifax, Canada

### Charusat University

Bachelor of Computer Engineering — GPA: 8.7/10

Jun 2018 - Apr 2022

Gujarat, India

## Work Experience

### Simform Solutions

Dec 2021 - Nov 2023

Software Engineer | Mobile Application Developer

Ahmedabad, India

- Designed and delivered scalable **Android and iOS mobile applications**, such as Drone Control, Vring, and OneCloud Connect, by implementing optimized code structures, resulting in a **40% performance improvement**.
- Implemented **MVVM architecture** and **Clean Architecture design patterns**, increasing **project scalability** and **maintainability** by **30%**, ensuring smooth feature rollouts.
- Streamlined development cycles by **30%** and enhanced code reliability by **developing 10+ reusable components** and contributing to open-source Java/Kotlin libraries, resulting in faster delivery of high-quality applications.
- Enriched app functionality and boosted user engagement metrics by **25%** by **integrating 5+ third-party SDKs and APIs** (e.g., Stripe, PayPal, IoT SDKs), leading to a **20% improvement in user retention rates**.
- Conducted **code reviews** and established **coding standards**, decreasing code issues by **75%** and maintaining alignment with **CI/CD practices** using Jenkins and GitLab pipelines.
- Reduced app crash rates by **35%** with **Firebase Crashlytics**, improving app-store ratings and user retention through **rigorous testing** and **debugging strategies**.

## Projects

### ServiceHub | Source Code

ReactJS | Spring Boot (JAVA) | MySQL

- Built a scalable **web application** connecting service providers and requesters, achieving a **20% increase in user engagement** by implementing e-signed contracts, service management, and feedback systems to enhance trust and streamline interactions.
- Architected a robust backend using **Java Spring Boot** and integrated it seamlessly with **ReactJS**, achieving **99.9% uptime** while facilitating real-time interactions across multi-user workflows for over 1,000 active users.

### K8s Microservices | Source Code

Spring Boot (Kotlin) | Kubernetes | Docker | CloudBuild

- Implemented a Kubernetes-based **microservices architecture** with two Spring Boot containers, enabling seamless communication where a public-facing container invoked another internal service.
- Configured Kubernetes deployments, services, and ingress rules to ensure **scalability**, **secure communication**, and **fault tolerance** between microservices.

### 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 five different devices for enhanced user experience in habit tracking.

## Technical Skills

**Mobile Development:** Android (Java, Kotlin, XML, Jetpack Compose), iOS (Swift, Storyboard, SwiftUI)

**Frontend Technologies:** HTML, CSS, JavaScript, ReactJS, Bootstrap, TailwindCSS, Simple CSS

**Backend Technologies:** Spring Boot (Java/Kotlin), Node.js, RESTful APIs, Test-Driven Development (TDD)

**Cloud & DevOps:** AWS, Azure, Google Cloud Platform (GCP), Firebase, CI/CD Pipelines, Docker, Kubernetes

**Databases:** SQLite, MySQL, MongoDB, DynamoDB, Room, Realm

**Version Control & Collaboration:** Git (GitHub, GitLab, BitBucket, Azure), JIRA, ZOHO

**Programming Fundamentals:** Data Structures and Algorithms (DSA), Multi-threading, Coroutines

**Soft Skills:** Leadership, Team Collaboration, Analytical, Verbal, and Written Communication

**Vraj Shah**

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25 Jan 2024

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Hiring Team

**CIBC**

**Subject:** Application for Application/Software Developer Co-op - Capital Markets, International, Commercial and Wealth Management Tech

Dear CIBC Hiring Team,

Banking may be centuries old, but crafting seamless, personalized digital experiences for millions of clients? That's innovation I'm excited to contribute to. With two years of professional experience developing native Android and iOS applications and my current pursuit of a master's in applied computer science at Dalhousie University, I bring a passion for user-centric design and a deep curiosity for evolving technologies to this role.

As a software developer, I've built applications that go beyond functionality, ensuring intuitive user interfaces and robust performance. My expertise in Kotlin, Swift, Jetpack Compose, and SwiftUI, coupled with my ability to debug and optimize multi-platform systems, aligns closely with CIBC's vision of creating flexible and personalized banking solutions. At Dalhousie, I'm honing skills in advanced system design and collaboration, preparing me to thrive in dynamic, innovation-driven teams.

What draws me to CIBC isn't just the opportunity to work on transformative digital products—it's the emphasis on teamwork, accountability, and continuous learning. Whether it's assisting with technical design, enhancing system implementation, or collaborating with stakeholders to deliver impactful solutions, I'm ready to bring my problem-solving mindset and technical expertise to the team.

I'd welcome the chance to discuss how I can contribute to CIBC's mission of reshaping how people bank. Thank you for considering my application.

Looking forward to the possibility of connecting,

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

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