

# VRAJ SHAH

📞 (902) 994-1436 ✉️ [shahvraj2016@gmail.com](mailto:shahvraj2016@gmail.com) [in linkedin.com/in/vraj-shah](https://www.linkedin.com/in/vraj-shah) [github.com/shah-vraj](https://github.com/shah-vraj) [📁 portfolio](#) [📝 Blog](#)

## 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**

6189 Young Street, Halifax, NS, Canada

vr597381@dal.ca

+19029941436

25 Jan 2024

<https://www.linkedin.com/in/vraj-shah-6378941b7/> | <https://github.com/shah-vraj>

Hiring Team

**Emera**

**Subject:** Application for Co-op IT - Database

Dear Emera Hiring Team,

Optimizing data systems to ensure seamless functionality is a challenge I'm passionate about, and this Summer University Co-op opportunity on the Database Team aligns perfectly with my technical expertise and career aspirations. As a graduate student in Applied Computer Science at Dalhousie University, I bring hands-on experience with database management and a strong foundation in IT concepts, making me eager to contribute to Emera's mission of delivering reliable and innovative energy solutions.

In my academic and professional journey, I've developed a solid understanding of **database concepts and SQL** through coursework and real-world projects. My experience includes:

- **Documentation and Standardization:** Creating structured documentation for database procedures to improve team collaboration and maintain consistency.
- **IT Systems Knowledge:** Understanding virtualization, operating systems, and networking concepts that complement database optimization efforts.
- **Scripting Proficiency:** Leveraging **Python** and **shell scripting** to automate tasks, analyze data, and troubleshoot issues efficiently.

What excites me most about this role is the opportunity to document database structures, implement standardization protocols, and manage CMDB items—all of which directly impact operational excellence. I thrive in collaborative environments, and my organizational skills ensure I can handle multiple tasks while maintaining attention to detail. Additionally, my proactive attitude allows me to work independently and contribute meaningfully to team initiatives.

Beyond the technical aspects, Emera's commitment to diversity, innovation, and sustainable energy inspires me. Joining a team that shares these values and emphasizes mentorship, growth, and employee wellness is a prospect I deeply value.

Thank you for considering my application. I am eager to bring my skills and enthusiasm to Emera's Database Team and contribute to optimizing data systems that support the company's mission. I look forward to the opportunity to discuss my qualifications further.

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>
------------------	-------------------	--------------	---------------------	--------------

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

CSCI	D	5100	2	Communicating Comp Sci Ideas	03.0	B+
------	---	------	---	------------------------------	------	----

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>
------------------	-------------------	--------------	---------------------	--------------

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

CSCI	D	5308	2	Adv Topics in Software Develop	03.0	A+
------	---	------	---	--------------------------------	------	----

CSCI	D	5408	2	Data Mgmt, Warhsng Analytics	03.0	A
------	---	------	---	------------------------------	------	---

CSCI	D	5709	Adv. Topics in Web Development	03.0	A+
------	---	------	--------------------------------	------	----

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
------------------	------	----------	-------------------------------	---

**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.***