

VRAJ SHAH

📞 (902) 994-1436 ✉️ shahvraj2016@gmail.com 🔗 linkedin.com/in/vraj-shah 🐙 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

AppFiciency

Subject: Application for Software Developer Co-op

Dear AppFiciency Hiring Team,

Transforming complex business requirements into innovative, high-quality software solutions has always been a challenge I thrive on. With two years of professional experience developing native Android and iOS applications, coupled with my current pursuit of a master's in applied computer science at Dalhousie University, I am eager to contribute to your team as a Co-op Developer.

During my career, I've honed skills in **JavaScript, XML, JSON, and REST technologies**, which align closely with the technical requirements of this role. As a developer, I've built end-to-end mobile solutions using **Kotlin, Swift, and Jetpack Compose**, ensuring clean, maintainable code that meets business objectives. My problem-solving mindset, coupled with my ability to quickly adapt to new frameworks, has allowed me to troubleshoot and enhance existing codebases effectively while ensuring timely delivery of projects in fast-paced environments.

What excites me most about this opportunity is the diversity in responsibilities—ranging from developing mobile applications to contributing to enterprise-grade integration solutions. The chance to collaborate with clients, negotiate requirements, and contribute to planning and design sessions resonates with my passion for combining technical expertise with effective communication. I also appreciate the emphasis on disciplined coding practices and continuous improvement, values I prioritize in every project I undertake.

Beyond my technical abilities, my strong organizational and time management skills ensure I handle multiple projects effectively. Whether engaging with cross-functional teams or diving deep into debugging sessions, I am motivated by the challenge of delivering impactful solutions that drive client success.

I would be thrilled to bring my experience and enthusiasm to your team and contribute to delivering exceptional software solutions. Thank you for considering my application. I look forward to the opportunity to discuss how my background aligns with your needs.

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)



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 AVAILABLECredit 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.