

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/projects, 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, Typescript, ReactJS, Angular, Bootstrap, TailwindCSS, PostCSS

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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27 Jan 2024

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

Hiring Team

CrowdStrike

Subject: Application for Frontend Engineer Intern - Summer 2025

Dear CrowdStrike Hiring Team,

The opportunity to contribute to CrowdStrike's mission of redefining cybersecurity through innovative and AI-driven solutions excites me greatly. As a master's student in Applied Computer Science at Dalhousie University, I am passionate about creating intuitive, high-quality user interfaces that empower users, and I believe this aligns closely with your mission to protect and enhance organizations worldwide.

With two years of experience in mobile application development using Kotlin and Swift, I have honed my skills in delivering seamless user experiences. Additionally, I've expanded my expertise to web development, working with modern frameworks like React and mastering HTML, CSS (including Tailwind CSS), and JavaScript. My experience with Git-based version control and understanding of Agile methodologies further equips me to contribute effectively to your collaborative, remote-first team. Here's how I can add value to CrowdStrike:

- **Frontend Development Expertise:** Proficient in building responsive, accessible interfaces using modern frameworks like React and CSS pre-processors such as PostCSS.
- **Testing and Optimization:** Familiar with tools and methodologies like Mocha and Selenium, ensuring high-quality, maintainable code.
- **Collaboration and Problem-Solving:** Experienced in working closely with designers and developers to implement solutions that balance functionality and user experience.
- **Curiosity and Growth Mindset:** Enthusiastic about exploring new technologies like Ember.js, contributing to open-source projects, and tackling the challenges of cybersecurity.

CrowdStrike's focus on inclusivity, innovation, and customer commitment perfectly aligns with my values and aspirations. The chance to work with a mission-driven team that leverages cutting-edge technologies to tackle real-world challenges is one I find incredibly inspiring.

Thank you for considering my application. I would love the opportunity to contribute to your team, help build exceptional user interfaces for the Falcon platform and grow alongside passionate professionals in the cybersecurity space.

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>
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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
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2024/2025 Winter	CSCI	D 5601 2	Designing for UX	3
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