Vraj Shah
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15 Feb 2025
[LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [LeetCode](#) | [HackerRank](#)

Hiring Team
Capital One

Subject: Application for **Backend Software Engineer, Intern (Spring/Summer 2025)**

Dear Hiring Team,

At the heart of modern financial technology lies the power of seamless backend systems, and I am eager to contribute to Capital One's mission of delivering customer-centric banking solutions. With **two years of experience in backend and mobile application development**, a strong foundation in **GoLang, Node.js, AWS, and microservices architecture**, and my current pursuit of a **master's in applied computer science at Dalhousie University**, I am excited to apply for the Backend Software Engineer Intern role for Spring/Summer 2025.

During my tenure at Simform Solutions, I:

- Designed and developed **scalable backend solutions** using **Spring Boot and Node.js**, reducing processing time by **40%**.

- Built and optimized **CI/CD pipelines** with **Jenkins and GitLab CI**, accelerating deployment efficiency by **35%**.

- Implemented **AWS cloud services (S3, Lambda, IAM)** to improve system reliability and security.

- Developed and maintained **RESTful APIs** to facilitate seamless data exchange between microservices.

Beyond my industry experience, I have worked on personal projects, such as **Kubernetes-based microservices deployment**, leveraging **Docker, CloudBuild, and AWS Lambda** to create highly available and fault-tolerant applications. My problem-solving mindset, combined with my passion for cloud-native technologies, aligns well with Capital One's emphasis on **secure and efficient financial systems**.

I am particularly excited about this opportunity because of Capital One's commitment to **innovation and cloud-first engineering**. With my experience in backend development, cloud technologies, and API design, I am confident in my ability to make a meaningful impact as part of your team.

I would welcome the opportunity to discuss how my technical expertise and passion align with this role. Please feel free to reach out at your convenience.

Sincerely,
Vraj Shah

Vraj Shah

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Technical Skills

Programming Languages: Kotlin, Java, Go, JavaScript, Python, SQL, C#
Backend Development: Node.js, Spring Boot, RESTful APIs, Microservices, GoLang
Cloud & DevOps: AWS (S3, Lambda, Route53, IAM), Docker, Kubernetes, CI/CD (Jenkins, GitHub Actions, GitLab CI)
Web Development: ReactJS, HTML5, CSS3, TailwindCSS, ASP.NET
Database Management: MS SQL Server, MySQL, Firebase Firestore
Monitoring & Logging: Splunk, New Relic, CloudWatch
Software Development Practices: Agile (Scrum), Test-Driven Development (TDD)

Work Experience

Simform Solutions
Software Engineer

Dec 2021 - Nov 2023
Ahmedabad, India

- **Boosted application performance by 40%** by developing scalable backend solutions using **Java and Spring Boot**, enhancing overall user experience.
- **Expedited feature rollouts by 30%** through the development of reusable components and adherence to clean architecture principles.
- **Enhanced data integrity and performance** by writing efficient queries for SQL and MongoDB, **leading to faster and more accurate data retrieval**.
- **Reduced deployment issues by 25%** by implementing automated CI/CD pipelines using Jenkins and GitLab for **consistent build and deployment processes**.
- **Increased code maintainability** by conducting comprehensive code reviews and implementing coding best practices, **resulting in a 75% reduction in code-related issues**.
- **Streamlined bug fixes** and new feature releases by collaborating with cross-functional teams in an agile environment, **significantly improving product delivery timelines**.

Education

Dalhousie University
*Master of Applied Computer Science (Co-op Candidate) — **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

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.
- **Applied Object-Oriented Programming principles** (e.g., classes, objects, inheritance) to design modular and reusable code for the backend, ensuring maintainability and scalability.
- **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.

K8s Microservices | *Source Code*   **Spring Boot (Kotlin) | Kubernetes | Docker | CloudBuild**

- **Implemented Kubernetes-based microservices architecture**, creating a highly available system with two Spring Boot containers, **ensuring secure communication and fault tolerance between services**.
- **Deployed microservices using Kubernetes** and automated deployment processes with **CloudBuild, improving deployment speed and scalability by 40%.**
- **Worked with Docker containers** to facilitate easy application deployment, **increasing the speed of testing and production cycles** while ensuring a consistent environment across development and production.

Academic Record - Shah, Vraj Sunilkumar (B00979965)

DALHOUSIE UNIVERSITY Degrees/Diplomas and Honours Awarded

This is NOT an official transcript.

2023/2024 Winter

					Credit Hrs	Grade	Median Grade	Enrol
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

					Credit Hrs	Grade	Median Grade	Enrol
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

2024/2025 Fall

					Credit Hrs	Grade	Median Grade	Enrol
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

GRADES NOT AVAILABLE

Credit Hrs

Current Program: 2023/2024 Winter

Master of Applied Comp Science: Computer Science

				Credit Hrs
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