Vraj Shah

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Objective

Detail-oriented and results-driven Software Development Engineer with expertise in application development, test automation, API testing, CI/CD, and performance testing. Proficient in Java, Python, Selenium, and SQL, with hands-on experience in automated testing, API validation, and Agile development practices. Passionate about leveraging analytical skills and database expertise to develop insightful reports, dashboards, and ETL solutions that drive evidence-based decision-making. Seeking an opportunity to leverage my expertise in a collaborative, Agile environment.

Technical Skills

Programming Languages: Python, SQL, Kotlin, Java, JavaScript, TypeScript, Go, C#

Data Analysis & Business Intelligence: SQL Queries, Data Modeling, ETL, Power BI, Tableau, Data Visualization, Report Generation

Databases & Data Management: MS SQL Server, MySQL, Firebase Firestore, Oracle, Data Warehousing Concepts

Backend Development: Spring Boot (Hibernate, MVC, Security), Node.js, RESTful APIs, Microservices

Cloud & DevOps: AWS (EC2, S3, Lambda, IAM), Azure, Docker, Kubernetes, CI/CD (GitHub Actions, GitLab CI)

Testing: JUnit, Selenium, MUnit, TestNG

Software Development Practices: Agile (Scrum), Object-Oriented Programming, Test-Driven Development (TDD)

Soft skills: Strong communication, Problem solving, Teamwork and collaboration, Adaptability, Attention to detail, Critical thinking, Analytical, Ability to learn continuously

Work Experience

Simform Solutions   **Dec 2021 - Nov 2023**
Software Engineer   *Ahmedabad, India*

- **Enhanced application performance** by designing and developing scalable backend solutions using Java and Spring Boot, resulting in a **40% improvement in user experience and response time**.
- **Accelerated feature rollouts** by creating reusable backend components, **reducing development time by 30%** and streamlining future implementations.
- **Optimized database performance** by writing efficient SQL queries and stored procedures, **improving data retrieval speed by 50%** and ensuring high data integrity.
- **Reduced deployment issues** by implementing automated CI/CD pipelines using Jenkins and GitLab CI, **decreasing deployment failures by 25%** and ensuring consistent, reliable releases.
- **Improved data-driven decision-making** by integrating RESTful APIs with analytical dashboards, **providing real-time insights** that enhanced business operations.
- **Led unit testing efforts** using JUnit and Mockito, **increasing code coverage by 60%**, significantly improving software reliability and maintainability.
- **Collaborated with cross-functional teams** in an Agile environment, **ensuring a 30% faster turnaround for bug fixes and new features**, leading to enhanced customer satisfaction.

Education

Dalhousie University   **Jan 2024 - Sep 2025**
*Master of Applied Computer Science (Co-op Candidate) — **GPA: 4.07/4.3***   *Halifax, Canada*

Relevant Courses: Data Management & Warehousing, Deep Learning Applications, etc.

Charusat University   **Jun 2018 - Apr 2022**
*Bachelor of Computer Engineering — **GPA: 8.7/10***   *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.

Data-Driven Business Analytics Dashboard   **Power BI | SQL | Python (Pandas, Matplotlib) | Tableau**

- **Developed a business intelligence dashboard for a retail dataset**, visualizing sales trends, revenue forecasting, and customer segmentation.
- **Integrated data from multiple sources (SQL, CSV, API) and performed ETL operations** to ensure clean and structured data.
- **Designed interactive Power BI dashboards with dynamic filtering**, enabling better decision-making for business stakeholders.

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08 March 2025

[LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [LeetCode](#) | [HackerRank](#)

Hiring Team

EQ Bank

Subject: Application for **Software Developer, Payments Technology**

Dear Hiring Team,

I am excited to apply for the **Software Developer, Payments Technology Intern** position. With a strong foundation in **RESTful API development, ETL processes, and cloud-based solutions**, I am eager to contribute to your team and enhance my technical expertise in a collaborative and agile environment.

During my professional experience as a **Software Engineer at Simform Solutions**, I worked extensively with **RESTful API development** using **Java, Kotlin, and Python**, integrating APIs with various front-end and back-end systems. My hands-on experience with **API automation testing using Postman and REST-Assured** ensured seamless interoperability between services. Additionally, I have experience working with **SQL Server and NoSQL databases**, where I optimized queries and ensured efficient data management. My ability to work with **CI/CD pipelines (GitLab CI/CD, Jenkins)** helped streamline deployments and enhance software reliability.

Beyond my professional experience, my coursework in **Deep Learning Applications and Data Management** at Dalhousie University has strengthened my understanding of **data-driven decision-making, ETL pipelines, and cloud technologies** such as **AWS and Firebase**. My exposure to **Microsoft 365 Apps and Power Platform** further complements my ability to develop enterprise solutions that align with business needs.

I am particularly drawn to this opportunity because of its emphasis on **API development, microservices, and enterprise software solutions**. The chance to work on **MuleSoft API Manager, J2EE frameworks, and unit testing tools** excites me, as it aligns with my passion for designing scalable and efficient software solutions.

I would welcome the opportunity to discuss how my skills in **API development, ETL solutions, and cloud computing** can contribute to your team. Thank you for your time and consideration—I look forward to the possibility of joining your team and making a meaningful impact.

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)

 Degrees/Diplomas and Honours Awarded

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

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

				Credit Hrs
2024/2025 Winter	CSCI	D 5501 2	Deep Learning Applications	3
2024/2025 Winter	CSCI	D 5601 2	Designing for UX	3