

# Vishwesh Patel

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EDUCATION:

<b>Algoma University</b>	<b>Brampton, Ontario</b>
Bachelor of Computer Science	Jan 2023 – Dec 2025
<b>Northern College</b>	<b>Toronto, Ontario</b>
Diploma in Computer Engineering Technician	April 2019 – Dec 2020

SKILLS:

Languages	Java, Python, XML, JavaScript
Web Technologies	Spring, Spring Web MVC, Spring Data JPA, Spring AOP, Spring Security, Spring Web Flow, Spring Boot, JWT, OAuth 2.0, JDBC, SQL, HQL, Hibernate, HTML, CSS, Bootstrap, jQuery, ReactJs, NextJs
JVM Profiler/Tuning	JVisual VM, JConsole, VM Args
Web Services	REST, WADL, WSDL, SOAP, RESTful API, JSON, XML
Servers	Tomcat, JBoss
Version Control	Git, SVN, GitHub, Bitbucket, Sourcetree
Database	Oracle, MySQL, DB2, MongoDB, SQL Server
Cloud and Container	Google Cloud, Docker, Kubernetes
Testing	JUnit, Mockito, Spring Test, SonarQube, TDD
Others	Linux, Agile, UML, log4j, SLF4J, Logback, Soap UI, Postman, Eclipse, IntelliJ, NetBeans, MsOffice

APPLIED PROJECTS:

**Real-Time Chat Messenger |** Java, JavaFX, MySQL, JDBC, Socket Programming, Maven

- Designed and deployed a client-server chat system supporting real-time messaging between multiple concurrent users.
- Built the application in JavaFX using OOP principles and socket programming to ensure low-latency data transmission.
- Conducted functional testing on 50+ message flows, ensuring reliable communication and consistent UI performance.

**Social Network Platform Replica: Facebook Clone |** Next.js, React, Tailwind CSS, Spring Boot, Spring Security, JWT **Jul 2022 – Dec 2023**

- Built a full-stack web application mimicking Facebook’s core feature, with a responsive frontend designed using Next.js, React, and Tailwind CSS.
- Developed RESTful APIs with Spring Boot for user authentication, profile management, and post handling, securing endpoints with Spring Security and JWT.
- Implemented efficient database interactions using Spring Data JPA and configured CORS for seamless frontend-backend communication.
- combination ensures the application loads quickly, is optimized for search engines, and updates content dynamically without needing to refresh the page.

**Resilient Cloud-Native Microservices Architecture |** Spring boot, Spring Cloud, Docker, Kubernetes **Feb 2022 – Jun 2022**

- Designed and deployed 8+ Spring Boot microservices, enabling RESTful communication through Eureka discovery and Feign load balancing.
- Executed and validated 50+ REST APIs in Postman to confirm reliability and response accuracy across all service endpoints.
- Implemented Resilience4j circuit breakers and fallback logic, cutting downtime by 35% during controlled failure testing.
- Configured API Gateway for routing and managed distributed tracing with Zipkin for monitoring.
- Containerized microservices using Docker and deployed them on Kubernetes for scalability.