

# Dev Vyas

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## SKILL PROFILE

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**Languages:** Java, Python, HTML/CSS, C/C++, JavaScript, UNIX, Microsoft Office

**Frameworks/Libraries:** Spring Boot, Node.js, Express, React, Next.js, JUnit, REST API, AJAX, JSP, SDLC

**Databases:** MySQL, MongoDB, PostgreSQL, Neo4j, SQLAlchemy, SQLite

**Soft skills:** Communication, Business operations, Leadership, Problem-solving, Time Management, Teamwork, Adaptability, Relationship Management, Customer Service

## EXPERIENCE

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### Peer Tutor

September 2023 – April 2024

*York University*

*Toronto, ON*

- Implemented and facilitated workshops focused on academic development using structured methodologies, contributing to a **15% increase** in student retention rates.
- Collaborated with a team of peer mentors to develop and implement innovative strategies for enhancing the overall experience of first-year engineering students at the Lassonde School of Engineering, resulting in a **95% satisfaction rate among participants**.
- Supported the successful transition of **200** first-year engineering students into university life by organizing student orientation activities, leading to a **20% decrease in student dropout rates**.

## PROJECTS

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### Spotify Clone | *Java, Spring Boot, MongoDB, Neo4j, RESTful API*

- Developed a **Java** and **Spring Boot** application simulating Spotify, implementing microservices architecture and integrating **Neo4j** for dynamic user data management, following the **SDLC** framework.
- Integrated graph database using Neo4j, used **Spring** to fetch backend endpoints from a **RESTful API**, employed **MongoDB** for efficient song metadata storage, and leveraged OkHttp for external data handling and enrichment.

### M&H E-commerce WebApp | *JSP, DAO, SQLite, Docker*

- Developed a **B2C** e-commerce web application using **HTML**, **CSS**, **Javascript**, and **Java** with **JSP**, following the **MVC** pattern for structured code organization.
- Implemented **SQLite** database integration and **Dockerized** the application for cloud deployment, ensuring portability and ease of scaling.
- Collaborated on a visually distinct mock of the H&M brand, enhancing the user experience through innovative design and efficient backend handling.

### Meamify Ignition Hacks 2024 | *React, Flask, Groq, SQLAlchemy*

- Developed an engaging educational web app using **React** and **Flask**, enabling users to create custom Q&A flashcards with integrated meme content, enhancing user engagement.
- Engineered backend services with **Flask** and integrated **Groq's API** for dynamic content generation, utilizing **SQLAlchemy** for efficient data management.

### ChatGPT Chatbot | *Node.js, OpenAI API*

- Built a sophisticated AI chatbot leveraging **Node.js** and the **OpenAI** API for advanced natural language processing, enhancing automated customer interactions.
- Implemented conversational logic and integrated it with a user-friendly web interface, optimizing the user experience.
- Utilized **SDLC** frameworks to guide the development and deployment processes, ensuring a methodical approach.

## EDUCATION

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### York University

Toronto, ON

*Bachelor of Science Honours in Computer Science*

*January 2022 – December 2025*

- Relevant courses:* Software Design | Advanced OOP w/Java | Compilers and Interpreters | Data Structures | Computer Organization | DBMS | Building E-commerce Systems | Big Data
- Certifications:* The Complete Java Development Bootcamp, The Complete Spring boot Development Bootcamp