

# Kunal Kapoor

Ontario, Canada • 437-984-9246 • kapoor14@uwindsor.ca • linkedin.com/in/kunalkapoor03/  
• github.com/Kunal7636

## PROFILE

- Experienced software engineer in retail and e-commerce, skilled in product development, data management, and software testing.
- Adept at developing innovative solutions and enhancing user experiences through agile methodologies and design thinking. Passionate about leveraging emerging technologies to drive organizational success.

## TECHNICAL SKILLS

<b>Programming Languages:</b>	JAVA, C++, C, HTML, CSS, JavaScript, Python
<b>Database &amp; Cloud Services:</b>	MySQL, MongoDB
<b>Version Control/Management/Testing:</b>	Git, GitHub, JIRA, Debugging, Unit Testing
<b>Development Tools and Platforms:</b>	Android Studio, VS Code, Eclipse, Linux, Outlook, PowerPoint, Excel
<b>Testing:</b>	Espresso, Cucumber, Unit Testing

## EDUCATION

**Master of Applied Computing** September 2023 - December 2024  
University of Windsor, Windsor, Ontario

**Post-Graduate Certification in Back-End and Blockchain Development** September 2022 - April 2023  
York University, Toronto, Ontario

**Bachelor of computer science and engineering** June 2017 - June 2021  
Chitkara University, Rajpura, Punjab

## PROFESSIONAL EXPERIENCE

**Software Developer Engineer (Java, HTML, CSS, MYSQL)** May 2023 – May 2024  
Alpha Tickets Ltd, Toronto, Ontario

- **Collaborate** with senior developers to customize and enhance the WordPress website theticketvault.com, focusing on front-end development using **HTML, CSS, JavaScript** and **back-end development** with **PHP, MSQL**.
- Led the POC for creation of Shell24, a tool enhancing Alpha Tickets' platform operations. By ensuring smooth command-line interaction and robust error handling, we improved system reliability and user experience for event organizers and ticket buyers.
- Utilized **design principles** to develop a WordPress page for tracking artists, featuring their songs, social media profiles, and user requests, and implemented artist suggestions using **PHP, MySQL**, and **JavaScript**, for improvements.
- Implemented features on managing events page enabling organizers to access detailed ticket information, including combined sales, and pending payout amounts. Utilized **PHP, JavaScript, HTML, CSS**, and **MySQL** for database operations.

**Software Developer Engineer (Java, SQL, Espresso)** April 2020 - August 2022  
Majid Al Futtaim Hypermarkets Private Limited, Gurgaon, India

- Teamed with senior developers on optimizing database queries with **SQL** for product listing pages.
- Embraced DevOps practices like “**CI/CD**” pipelines, which streamlined our development process and accelerated product releases.

- Created product recommendation strategies in **SQL** to increase click-through rates by 15% on product carousels by writing optimized SQL queries to retrieve relevant product data efficiently and conducting rigorous testing and validation to ensure the effectiveness of the recommendation strategies.
- Implemented **Espresso automation for Android** with **Java**, and **IOS automation** testing using **Swift**, increasing unit-test coverage by 40%, and took part in code reviews.
- Utilized **Cucumber** for feature test case composition, ensuring comprehensive coverage and clarity in automated testing scenarios.
- Developed the Idling resources library using **Java**, reducing automation testing waiting time by 30%.

## PROJECTS

### REST API Development for Banking Applications

December 2023 – January 2024

University of Windsor, Windsor, Ontario

- Created a **RESTful API** for a simple Banking application using **Spring Boot**, **Spring Data JPA** (Hibernate), and **MySQL database**, while maintaining version control through **Git**.
- Developed essential functionalities for managing bank accounts and tested endpoints.

### Supply Chain Management System (MySQL, Express, and NodeJS)

February 2023 - March 2023

York University, Toronto, Ontario

- Developed backend code and conducted comprehensive tasks including requirement analysis, database design, **API development**, **error handling**, performance optimization, testing, documentation, and collaboration for a supply chain management system project.

### Website Deployment on AWS

February 2023- February 2023

York University, Toronto, Ontario

- Implemented deployment of a website on **AWS** infrastructure, configuring **EC2 instances**, security groups, and DNS settings. Integrated **Git** with **AWS Code Pipeline** for CI/CD automation, ensuring efficient deployment workflows.

### Express JS Application

December 2022 - February 2023

York University, Toronto, Ontario

- Delivered a full-stack web application using **Express** and **SQL** to try hands-on technology.
- Created a full-stack web application for running CRUD action on given data about posts and comments.

### Food Ordering Website (PHP, HTML, CSS)

January 2020 - March 2020

Chitkara University, Rajpura, Punjab

- Executed a project to build a full-stack website deploying **PHP**, **HTML**, and **CSS** to help people with COVID-19 time to earn extra money from home.
- Implemented a user-friendly and secure interface to accept payments and sell products.

## CERTIFICATES

- “Software Design: Developing Effective Requirements” by Neelam Dwivedi.
- “Agile Development Practices” by Harrison Ferrone.
- “Creating Your First Spring Boot Microservice” by Mary Ellen Bowman.
- “Swift 5 Essential Training” by Harrison Ferrone.
- “Programming Foundations: Object-Oriented Design” by Olivia Chiu Stone and Barron Stone
- “Designing RESTful APIs” by Keith Casey