

SHAAN KOHLI

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Education

Toronto Metropolitan University (Toronto, ON) – Bachelor of Science in Computer Science

May 2025

Summary of Skills

Programming Languages: Java, Python, C/C++/C#, SQL, JavaScript, HTML/CSS, VBA, Bash, Elixir, Rust

Frameworks and Tools: .NET, React, Node.js, MongoDB, AngularJS

Interpersonal Skills: Team Building, Adaptability, Organization, Strong Work Ethic, Leadership, Strategic Thinking

Topics of Interest: Software Development, Data Science, Object-Oriented Programming, Artificial Intelligence, Machine Learning, Cloud Computing, Data Analytics, DevOps, Blockchain, Virtual Reality

Work Experience

Software Engineer Intern, Student

FGF Brands – Toronto, ON

June 2024 – Present

- Created 15+ mobile-friendly APIs using .NET for a web application supporting bakeries in managing 1,000+ assets, customer interactions, inventory, and orders
- Leveraged Kendo UI to develop 20+ interactive front-end features, including data grids, dropdowns, and date pickers, enhancing functionality across 50+ forms
- Engineered 10+ custom controls and tailored features to address unique business needs, streamlining workflows for teams across 100+ daily operations; leveraged Power BI for visualizing key performance metrics

.NET Software Developer, Student

FGF Brands – Toronto, ON

May 2023 – December 2023

- Utilized ASP.NET and SQL Server Management Studio to introduce over 15 features based on business requirements, improving planning efficiency, and user experience across 12 bakeries
- Leveraged C#, SQL Server, and Azure DevOps to integrate over 25 time zone features, aligning scheduling data with regional time zones for accurate, efficient operations in bakeries across Canada and the United States
- Transformed the user interface of a live video wall application using AngularJS, implementing advanced filtering features that enhanced real-time monitoring and improved analytical capabilities for over 50 daily users
- Engineered a C# application that reduced response time for weight deviations, ensuring swift responses to critical situations

Programmer, Student

Toronto Transit Commission – Toronto, ON

May 2022 – August 2022

- Created an efficient Microsoft Visual Basic application to facilitate seamless transitions for data centre personnel, improving onboarding processes and ensuring smooth data center operations
- Added 15+ features to TTC web pages using ASP.NET, streamlining maintenance and mainframe operations
- Developed a program using Python to enhance onboarding for 10+ co-ops, improving integration speed and effectiveness
- Designed a data centre management UI with AngularJS to improve usability and management for end-users

Projects

StockFlow

November 2024 – December 2024

- Developed "StockFlow," a full-stack inventory management system leveraging real-time tracking and machine learning-powered forecasting to reduce stock shortages by 25%
- Created responsive dashboards and integrated Microsoft Teams alerts, processing 10,000+ records and automating 100+ monthly invoices using React, Pandas, and FastAPI

War Card Game

February 2023 – April 2023

- Designed a Rust-based card game replicating the classic "War," featuring smooth gameplay for up to 2 players with a virtual deck of 52 cards
- Rebuilt the game in Elixir and Haskell, applying functional and concurrent programming principles to deepen cross-language development skills

TorontoMicro

February 2023 – April 2023

- Developed a web app using HTML, jQuery, MySQL, and PHP for an eco-friendly store, streamlining order processing and reducing environmental impact
- Created a Single Page Application (SPA) with AngularJS, consolidating the entire user experience on a single page
- Implemented an "Admin Database Mode" for authorized users to efficiently view and manage registered orders

FlightReservationSystem

March 2021 – April 2021

- Built a flight reservation system in Java that processes flight data from text files, optimizing data management and system performance
- Enabled interactive user management for flight bookings, reservations, and cancellations