

Ohm Patel

Stratford, Ontario, Canada | USA/Canada Citizen

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Summary

Software Engineering graduate from Western University (June 2025) with hands-on experience building scalable, full-stack applications using React, Node.js, Flask, and cloud platforms like AWS and GCP. Recognized on the Dean's Honor List (2023–2025) for academic excellence. Passionate about designing efficient, user-focused solutions and collaborating in agile teams to turn technical ideas into impactful products.

Software Development Experience

GeneScope, Capstone Group Project

- Developed a full-stack DNA analysis platform using React, Node.js, MongoDB, and AWS (Amplify, Cognito, S3), improving analysis throughput by 2× through optimized cloud pipelines.
- Integrated GPT-2 and Llama models via custom REST APIs to deliver accessible genetic summaries for both technical and non-technical users.

PigeonPlex, Group Project

- Built a full-stack movie ticketing platform using Flask, MySQL, and responsive frontend tools to enable real-time bookings, analytics, and secure user management.
- Designed a dynamic UI with HTML, CSS, and JavaScript that streamlined ticket purchasing workflows and enhanced user engagement.

Superhero-Search, Personal Project

- Created a secure superhero search platform using Firebase authentication and external APIs to deliver real-time superhero data and search insights.
- Implemented admin dashboards and role-based access control, improving system security and maintainability.

SuperOhioThrowdown, Group Project

- Designed and developed a Pokémon-style 2D game in Python (Pygame) with custom characters, battle mechanics, and progressive levels.
- Conducted user playtesting and iterative design updates, improving gameplay balance and overall player satisfaction.

Worlds Easiest Game 1 & 2, Personal Project

- Built maze-style logic games in C# using Visual Studio, featuring progressive difficulty and puzzle-based level design to enhance user engagement.
- Collected player feedback and refined mechanics through iterative testing, improving game flow and playability.

Professional Experience

Experior Financial Group Inc.

Executive Director

Oct 2021 – Present

Remote, Canada/USA

- Delivered personalized client consultations and financial solutions across North America.
- Hired, trained, and managed new team members, building a distributed team environment.
- Leveraged CRM tools and data-driven approaches to improve client acquisition efficiency.

Hack Western 9 – Hackathon Participant

- Collaborated on a retro arcade suite in C# using Visual Studio, including mini games like WEG, Pong, and Tron Light Cycles.
- Delivered playable MVPs within 36 hours by applying agile teamwork and iterative prototyping.

Education

Bachelor of Engineering Science, Software Engineering

University of Western Ontario

Dean's Honor List for 2023-2025 | Final-Year GPA: 3.7

Sept 2021 – Jun 2025

London, Ontario

Technical Skills

Languages & Frameworks: Python, Java, JavaScript, C++, C#, React, Flask, Express.js, Firebase, JavaFX

Databases: MySQL, MongoDB

Cloud & Tools: AWS (Amplify, Cognito, S3), GCP, Docker, Git, Nginx, JIRA

Other: TensorFlow, Scikit Learn, MATLAB, Jupyter, Agile/Scrum, Word/Excel, PuTTY