

Casey Hsu

Toronto, ON | (416) 500-2939 | casey-hsu@outlook.com

[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

Professional Summary

Recent transition from a 10-year career as a chef, bringing adaptability, efficiency, and a strong analytical mindset to software development. Experienced in full-stack development, API integrations, CI/CD automation, and microservices architecture. Eager to collaborate in agile environments to create innovative solutions.

Technical Skills

Programming Languages:	Java, JavaScript, TypeScript, Python
Front-End:	React, Angular, HTML, CSS, Bootstrap
Back-End:	Spring Boot, Node.js, MongoDB, PostgreSQL
DevOps & Cloud:	Docker, Nginx, CI/CD (Jenkins, GitHub), AWS, Azure, DigitalOcean, Agile, Scrum
AI & Data:	Prompt Engineer, Pandas, NumPy, Machine Learning Fundamentals

Work Experience

Freelancing | Software Developer (2024 – Present)

- Small Business Website Development
 - Designing and managing a secure, high-performance website using WordPress, Elementor, and WP Engine.
 - Implementing custom plugins, SEO strategies, and security enhancements to optimize performance and visibility.
- E-Commerce Store Development
 - Building and customizing a Shopify-based e-commerce platform, focusing on UI/UX optimization and a seamless checkout flow.
 - Integrating payment gateways, automated inventory updates, and performance enhancements to improve scalability.

Sous Chef | Culinary Leadership (2015 – 2024)

- Successfully transitioned from a decade-long culinary career to software development, leveraging problem-solving, adaptability, and efficiency from high-pressure kitchen environments.

Projects

Capstone Project: Menu Master Restaurant Management System

Technologies: Java, Spring Boot, React, MongoDB, Docker

Role: Front-End Developer

- Led the development of a user-friendly, responsive front-end interface with React, enabling efficient management of inventory, menus, and employee data.
- Integrated the front-end with backend APIs developed in Spring Boot, ensuring seamless data flow and robust user interactions.
- Optimized the CI/CD pipeline to reduce deployment errors by 30% and streamline the release process.

Tic-Tac-Toe AI Minimax

Technologies: Java, JavaFX, Minimax Algorithm

Role: Full-Stack Developer

- Developed an interactive Tic-Tac-Toe game with JavaFX, allowing users to play against either another human or an unbeatable AI utilizing the Minimax algorithm.
- Integrated a decision-tree search algorithm for optimal move selection, making AI-driven decisions efficient.

Airport Flight System Application

Technologies: Java, Spring Boot, MongoDB, Docker, React

Role: Back-End Developer

- Designed and implemented a flight management system with features for booking, viewing, and canceling flights.
- Utilized Object-Oriented Programming (OOP) principles to ensure a scalable and maintainable codebase.
- Developed CRUD operations for managing user and flight data efficiently.

Education

Computer Programming and Analysis

George Brown College, Toronto, ON | Graduation: April 2024

- Achievements: Dean's List (All Terms)
- Relevant Coursework: Advanced Data Structures, Object-Oriented Programming, Enterprise Java Applications, Machine Learning Basics, Full-Stack Applications.

Additional Information

Portfolio: Showcases projects with live demos, including React and Spring Boot applications, highlighting front-end and full-stack development skills.

Continuous Learning: Currently expanding expertise in blockchain development and cybersecurity, working on Solidity smart contracts and ethical hacking fundamentals.