

## Casey Hsu

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

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### 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

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

### Work Experience

#### Freelancing | Software Developer (2024 – Present)

- Website Development for Small Businesses
  - Designed and managed secure, high-performance websites using WordPress, Elementor, and WP Engine.
  - Developed custom plugins, implemented SEO strategies, and enhanced security measures to improve site performance and visibility.
- E-Commerce Development
  - Built and customized Shopify-based e-commerce platforms, optimizing UI/UX and streamlining the checkout process.
  - Integrated payment gateways, automated inventory updates, and performance enhancements to improve scalability and efficiency.

#### 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.