# Casey Hsu

Toronto, ON | (416)500-2939 | [casey-hsu@outlook.com](mailto:casey-hsu@outlook.com) | [Portfolio](https://caseyhsu.me/) | [GitHub](https://github.com/SimBuds) | [LinkedIn](https://www.linkedin.com/in/casey-hsu-750b39273/)

### 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

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| **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 |

### 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.

### SpaceX Launch Tracker

**Technologies:** Angular, SpaceX API, TypeScript

**Role:** Full-Stack Developer

* Developed a real-time Angular application that integrates the SpaceX API, providing detailed information on upcoming and past launches.
* Designed and implemented advanced filtering and search features, enhancing user experience and enabling quick access to launch data.

Java Employee Management System

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

**Role:** Back-End Developer

* Designed and implemented secure CRUD functionality, including role-based authentication, ensuring data integrity and user privacy.
* Developed a microservices-based architecture to enhance scalability, maintainability, and fault tolerance across application modules.

### 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.

### Work Experience

**Sous Chef | Culinary Leadership (2015 – 2024)**

* Transitioned from a decade-long culinary career to software development, leveraging adaptability, precision, and problem-solving skills from high-pressure kitchens into programming and system design.
* Led teams in fast-paced environments, refining workflow efficiency and critical thinking—skills directly applicable to agile development and software engineering problem-solving.
* Balanced creativity and structure, a mindset now applied to developing scalable applications and writing efficient, maintainable code.

### 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.