

# Jessie (Jia-Yi) Jian

Green Card holder, Software Engineer, Returning Women to Workforce

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## Skills

Javascript, HTML/CSS, Git, React, Node.js, Express.js, Docker, REST API, PostgreSQL, MySQL, MongoDB, Java, JIRA, Figma

## Selected Project

**AppetAlzing:** A recipe management system featuring AI-powered recipe generation and robust CRUD functionalities

- Utilized **Express** and **Node.js** to create **RESTful APIs** facilitating seamless frontend-backend communication
- Consumed a **3rd party AI API** to summarize recipes from users' provided URL and enable users to edit further details
- Applied **React.js**, **React Router**, **Custom Hook**, **Class Components** to create a clear user interface
- Designed database schema for a relational DBMS, e.g., **PostgreSQL**
- Leveraged object storage such as **AWS S3** to persist image files

**ManageYourDay:** A to-do list application

- Thoroughly **unit tested** its code for ensuring high quality
- Implemented **user authentication** and **authorization** to establish the legitimacy of user credentials and access
- **Containerized** the application and deployed to a cloud hosted platform

**Buy It for Life:** An E-commerce Website

- Designed with a **Mobile-First Responsive Design** to ensure an engaging user experience across various devices
- Leveraged technologies such as **HTML5**, **CSS3**, **Bootstrap**, and **React** to efficiently manage client-side interactions
- Incorporated **RESTful APIs** for executing data creation, retrieval, updating, and deletion from the **MongoDB** database

## Professional Experience

**Software Developer** 09-2021 - 04-2022 (Volunteer)

*Beshton Software Inc., San Jose, CA, USA*

- Constructed a social platform, employing skills such as developing RESTful APIs with **Java Spring Boot**
- Design, develop, and maintain Java-based applications using **Java EE**, **Spring Framework**, **Hibernate**
- Integrated Java apps with relational databases (**MySQL**, **Oracle**) and/or NoSQL databases (**MongoDB**)

**Software Developer** 08-2020 - 06-2021 (Part-time)

*University of Illinois at Urbana Champaign Virtual Reality Lab, Champaign, IL, USA*

- Developed immersive VR games with other developers, utilizing **GitLab**, branch management, and code reviews
- Collaborated with other software developers and **UI/UX** specialists to ensure seamless gameplay and interactivity
- Revised **algorithms** in **C#** to implement new features or update existing ones for VR games effectively

**Business Analyst** 02-2018 - 06-2019 (Full-time)

*Digital Forest Technologies, Taipei, Taiwan*

- **Led projects** that revamped a new B2B ticketing system, accommodating 200+ engineers and 100+ clients
- Developed **Tableau** business intelligence reports to help engineers track the resolution time of their issue tickets
- Assisted the development team in SQL Server migration with **SQL query** writing and execution for **data validation**
- Collaborated with cross-functional teams to resolve system errors, leading to a 50% increase in user satisfaction

**Marketing Assistant** 06-2016 - 07-2017 (Internship)

*Microsoft, Taipei, Taiwan*

- Teamed up with different teams to execute 15+ marketing campaigns, achieving a 30% YoY increase in sales value

## Education

**Udemy, online** 05-2022 - 01-2023

**The Complete 2023 Web Development Bootcamp**

**University of Illinois at Urbana Champaign Champaign, IL, USA** 08-2019 - 05-2021

**Master of Science in Information Management GPA: 3.83/4.00**

**Fu Jen Catholic University, Taipei Taiwan** 08-2013 - 06-2017

**Bachelor of Business Administration of Finance and International Business**