



**Li Chen**

## **PROFESSIONAL SUMMARY**

Li Chen is a motivated software engineering professional specializing in full stack Java web development, with expertise in both front-end and back-end technologies. A recent graduate of the FastTrack Java Developer Program and a full stack Java bootcamp at Per Scholas, Li is proficient in building dynamic web applications and RESTful APIs using the Java Spring MVC and Spring Boot frameworks, along with Angular for creating responsive front-end experiences. Bilingual in English and Chinese, she possesses a solid foundation in Object-Oriented Programming (OOP) principles, enabling her to deliver efficient, scalable, and user-focused software solutions.

## **TECHNICAL SKILLS**

**Programming:** Java, Spring MVC, Spring Boot, Spring Data JPA, Spring Validation, Spring Security, Angular, JavaScript, TypeScript, HTML5, CSS3, Bootstrap 5, SQL, RESTful API, Python.  
**Software:** IntelliJ, VS Code, Git, GitHub, pgAdmin, MySQL Workbench, Jira.  
**Databases:** PostgreSQL, MySQL.  
**Operating Systems:** Windows

## **PROFESSIONAL EXPERIENCE**

**COOK SYSTEMS – Memphis, TN**  
***FastTrack Developer***

**09/24 – Present**

### *Twitter Web Application*

- Developed a robust RESTful web service with multiple endpoints, enabling users to create, modify, update, and delete tweets through essential CRUD operations and various HTTP requests, enhancing user interaction on the platform.
- Generated database entities using Spring Data JPA and built the entire application from scratch, including repositories, services, and controllers using Spring Boot.
- Utilized MapStruct to generate DAO layers, encapsulating entities from users to ensure a clean separation between the database and the API.
- Programmed controllers and services that handle HTTP requests, backend validation, and business logic, converting data between API and database models. Tested and debugged API functionality in Postman to ensure project requirements were met.

*Environment: Java, Spring Boot, Spring Data JPA, Hibernate, PostgreSQL, pgAdmin, Postman, Git, IntelliJ, Maven*

### *Spotify Guessing Game Web Application*

- Developed an interactive front-end web application using Angular that integrates with Spotify's API, allowing users to guess songs based on audio previews while configuring the game by selecting a singer and an album, and pulling corresponding songs from Spotify's API.

- Collaborated with a team to plan and design the application using Figma, mapping out components and game logic for seamless user experience.
- Leveraged Spotify's search and playlist endpoints to fetch and display song data, incorporating game state logic to manage rounds and scoring, while implementing a leaderboard that displays the names of top-scoring players across multiple local game instances.
- Built dynamic components with Angular and responsive templates using Bootstrap, integrating Spotify's API to fetch and play song previews while maintaining a clean, user-friendly interface.

*Environment: Angular, TypeScript, Figma, Git, VS Code, HTML, CSS, Bootstrap*

#### *FastTrack Wiki Web Application*

- Developed the front end for a full-stack web application aimed at streamlining onboarding for FastTrack graduates, providing a collaborative platform for team-specific resources, announcements, and onboarding tracking to improve communication and information access.
- Implemented Figma wireframes using HTML, CSS, and Bootstrap to create a responsive and accessible interface across devices.
- Built modular, reusable components in Angular and TypeScript for announcements, team documentation, and user management, promoting consistency and maintainability across the app.
- Integrated front-end components with backend APIs, validating API functionality and optimizing data flow to ensure reliable, smooth user interactions.

*Environment: HTML, CSS, Bootstrap, TypeScript, Angular, Java, Spring Boot, Postman, Git, IntelliJ, Maven*

## **EXPERIENCE**

### **Plano Independent District – Plano, TX**

**08/23 – 05/24**

#### *Special Education Teacher*

- Improved students' engagement and learning via collaborating with general education teachers implementing differentiated instruction.
- Fostered an environment for open communication and support by establishing and maintaining positive relationships with parents, teachers, and administrators.

### **International Leadership of Texas – Garland, TX**

**08/17 – 05/22**

#### *Chinese Teacher*

- Improved students' language proficiency from novice to intermediate level by implementing differentiated instruction.
- Enhanced instructional quality across the district by leading district Intermediate level Chinese teachers in curriculum design and lesson planning.

### **Jilin Provincial Experimental School– Jilin, China**

**08/12 – 07/17**

#### *English Teacher*

- Elevated students' language proficiency from novice to intermediate level through the implementation of differentiated instruction strategies.
- Enhanced teaching effectiveness by mentoring new teachers in lesson plan and classroom management.

## **PERSONAL PROJECTS**

### *E-classroom*

**03/23 – 03/23**

- Developed a full-stack web application enabling teachers to share learning resources, create and grade assignments, and analyze student performance through dynamic graphs,

enhancing the educational experience.

- Implemented a user-friendly interface using HTML5, CSS3, and Bootstrap for seamless navigation.
- Utilized Java, Hibernate, and Spring Boot for backend services and business logic, ensuring efficient data handling and processing.
- Integrated Thyme leaf as the template engine for dynamic content rendering, allowing real-time updates and interactions.

Environment: HTML5, CSS3, Bootstrap, Java, Hibernate, Spring Boot, Spring Data JPA, Spring Security, Spring MVC, Thyme leaf, Maven

#### **Daycare Finder**

**04/23 – 04/23**

- Created a full-stack web application that allows users to search, create, and review daycares, improving accessibility and information sharing in the community.
- Integrated Mapbox for geolocation services, enabling users to visualize daycare locations on a clustered map.
- Designed a responsive user interface using HTML5, CSS3, and Bootstrap to ensure an optimal user experience across devices.
- Implemented backend functionality with Node.js, Express, and MongoDB for data storage and retrieval, utilizing EJS as the template engine for dynamic content rendering.

Environment: HTML5, CSS3, Bootstrap, JavaScript, Node.js, Express, MongoDB, EJS

## **EDUCATION**

### **Cook Systems FastTrack Java Program – Memphis, TN**

**09/24 – 10/24**

*Concentrated Java Frameworks, Angular Frameworks and developer tools training.*

### **Per Scholas Full Stack Java Developer Bootcamp – Dallas, TX**

**11/22 – 03/23**

*Concentrated agile\scrum methodology, git, Java SE, Java EE, Hibernate, SQL, Junit testing, HTML/CSS, Bootstrap, JavaScript, Spring framework and Spring boot, micro services and web services.*

### **Northeast Normal University – Jilin, China**

**09/13 – 12/15**

*Master of Education: Pedagogy*

### **Northeast Normal University – Jilin, China**

**09/08 – 06/12**

*Bachelor of Art: major: English minor: computer science and technology*

## **CERTIFICATION**

Oracle Certified Associate, Java SE 8 Programmer

**04/2023**

## **PROFESSIONAL CERTIFICATES**

### **Harvard University**

CS50's Introduction to Computer Science

**10/2024**

### **Georgia Institute of Technology**

Data Structures & Algorithms

**01/2024**

Introduction to Object-oriented Programming with Java

**06/2022**

Introduction to Python Programming

**06/2021**