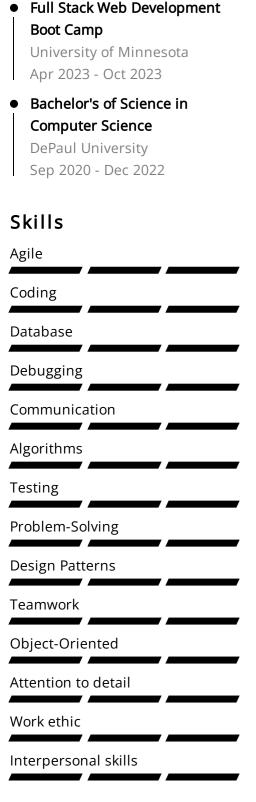
# Frank Zhao

# Software Engineer

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Education



## Summary

Talented Software Engineer with expertise in software development, testing, and debugging. Skilled in object-oriented programming and web application development.

## **Projects**

#### **DnD Commerce**

### **Technology Stack:**

Utilized MongoDB, Express.js, React, and Node.js (MERN stack) for full-stack web development.

#### Frontend Development (React):

- Designed and built a user-friendly, responsive web interface for browsing and purchasing DnD merchandise.
- Created product pages, shopping cart functionality, and checkout processes.

#### Backend Development (Node.js and Express.js):

- Developed GraphQL APIs to manage products, user proles, and orders.
- Integrated MongoDB for efficient data storage and retrieval.

#### **User Authentication:**

- Implemented user registration and login functionality with JSON Web Tokens (JWT) for secure authentication.
- Ensured user data privacy and security by encrypting sensitive information.

## Little Chef (RESTful API)

Design Pattern - Model View Controller

#### View (Handlebars.js, CSS)

• Created sign up, login, favorites, display recipes pages

#### Model (MySQL and Sequelize ORM)

#### Controller (Node.js and Express.js)

 Added GET, POST, and DELETE routes for retrieving, adding, and deleting data.

#### **User Authencation:**

- Encrypted password-sensitive information using bcrypt
- Detects abusive traffic using reCAPTCHA V3

