

# SYLVIA ZHANG

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6 years of computer science engineering study, 2 years of work experience as a Software Developer, and 1.5 year accumulated hands-on experience in Full Stack Projects. Oracle certified Java Professional Developer. Demonstrate a strong sense of responsibility, open communication skills, problem solving, teamwork and a self-motivated work ethic in various industries.

## PROJECT EXPERIENCE

### MERN Stack E-Commerce Project (React+ Redux + Node.js + Express + MongoDB) Sep – ongoing 2023

- Built a complex e-commerce web application using React and Redux for the front end and Node.js, Express framework for the backend with advanced searching, filtering, and recommending products.
- Performed advanced MongoDB queries using Mongoose and executed CRUD for products and categories
- Developed star rating system, generated discount coupon code, supported multiple image uploads for user
- Designed role-based access control, credit card payment with Stripe, and order management system for admin

### MERN Stack React Application Website (React+ Node.js + Express + MongoDB) Jun – Aug 2023

- Created a place social App for users to register/log in to post places with input validation and token authentication
- Implemented the RESTful APIs with Node.js to handle HTTP requests and connected to the MongoDB database
- Integrated with Google Maps to show places on the map and image file upload to enhance user experience

### Full-Stack E-Commerce Website (Angular + Node.js + MySQL +Spring Boot +Stripe) Aug – Dec 2022

- Built a real-time eCommerce App with Angular, Bootstrap for the front end and Spring Boot for the back end.
- Implemented the RESTful APIs with Node.js to handle HTTP requests and responses and created checkout reactive forms with input validation and secure Stripe credit card payment.
- Set up user authentication, order history database with full CRUD support using MySQL, connected the Stripe API for the payment, and deployed to render.com

## WORK EXPERIENCE

### Digital Media Specialist, Brandtalk Media Inc, Vaughan, ON Jun 2018 – Oct 2021

- Led the event project for the tourism client to design & build the landing page on woobox.com, which generated more than 2000+entries and increased sales by 40%
- Developed and optimized Facebook Ad to increase Click Through Rate & Link clicks by 30% and provide training for to help team members shorten the transition time by one week
- Managed 4 customers' social media, including TD bank, CILAR non-profit organization, handling daily social media service and last-minute request, receiving 98% client satisfaction

### Java Teacher and Coordinator, Wells Academy, Markham, ON Jun 2018 – Oct 2019

- Taught Grade 11 credit course ICS3U: Introduction to Computer Science using BlueJ IDE
- Designed the practical course plan & tests to help students make small projects like a calculator using Java at the end of the course, and 95% of them achieved this goal.
- Organized school events from start to finish, which increased program registration by 60% and helped more than 500 students connect with their instructors.

### Software Engineer, China Ship Scientific Research Center Jiangsu, China 2009 – 2011

- Built a Human Resources system based on SSH (Spring, Struts2, Hibernate) framework as a team member.
- Implemented the main functions covering get/add/update/delete employees.
- Deployed the MySQL Database to the Server and maintained it up to date for the test stage.

## TECH STACK

React, Node.js, Express.js, Agile, JAVA, Spring Boot, HTML, CSS, TypeScript, Angular, MySQL, MongoDB, Docker, CI/CD, CircleCI

## EDUCATION

Certified Professional: Java SE 11 Developer, Oracle 2022

Hootsuite Social Marketing Certificate 2020

Digital Marketing Certificate, York University, Toronto, ON, Canada 2020

Master of Engineering: Computer Software Engineering, Jiangnan University, Wuxi, China 2012

Bachelor of Engineering: in Electronic Information Engineering, JXSTNU, Nanchang, China 2009