



ZIWEI HUANG

MICHIGAN, USA • ZIWEIH1993@GMAIL.COM • 907-251-5169

Software Engineer - US Citizen

[LinkedIn](#) • [GitHub Portfolio](#) • [GitHub](#)

EDUCATION

MASTER OF SCIENCE IN COMPUTER AND INFORMATION SCIENCE

Jan 2022 - Dec 2023

Marquette University | GPA: 4.00/4.00

Milwaukee, WI

- Coursework: Business Intelligence, Business Analytics, Principles of Database Systems, Visual Analytics, Big Data Systems, Parallel and Distributed Systems, Enterprise Architecture, Advanced Algorithms, Advanced Java / Web Design

BACHELOR OF SCIENCE MAJOR IN ACCOUNTING, MINOR IN FINANCE

Aug 2013 - Aug 2017

Marquette University | GPA: 3.58/4.00

Milwaukee, WI

WORK EXPERIENCE

JAVA DEVELOPER

Jan 2024 - May 2024

Anton Technology LLC

Canton, MI

- Built a robust **SQL-based** product database encompassing over 100 products from various suppliers.
 - Optimized for efficient queries through indexed primary keys, foreign keys, and data validation with check constraints.
- Implemented a consulting service request system, streamlining communication between interested OEMs and Anton Technology.
 - Enhanced the consulting process by ~50% through **AWS SES**-based notifications to intermediaries.
- Developed a project coordination system using Java **Spring Boot** that enhanced collaboration between suppliers and OEMs.
 - Reduced project initiation timelines by ~40% and improved communication efficiency across international teams.
- Designed an advanced search engine using **Spring Boot controllers** and **Hibernate ORM** for supplier and OEM selection. The search engine allowed users to query products by multiple criteria, leveraging Hibernate's dynamic query generation and caching capabilities.
 - Optimized to reduce the average search time by 2-3 seconds per query, leading to faster procurement cycles.
- Utilized JSON Web Tokens (**JWT**) for secure **authorization and authentication**.
- Automated the **CI/CD pipeline** using **AWS CloudFormation**, enabling seamless deployment by automatically testing and deploying changes made in GitHub.
 - Improved deployment efficiency by ~50% and significantly reduced the time from development to production.

SKILLS

- **Programming Languages:** Java, Python, C++/C, JavaScript, SQL
- **Back-end:** Node.js, Maven, Java Spring, RESTful APIs, Hibernate, Express, JUnit, AWS S3, Flyway
- **Front-end:** React, HTML, CSS, jQuery, Bootstrap, Tailwind CSS
- **Database:** MySQL, PostgreSQL, MongoDB
- **Other:** Git, GitHub, Docker, CI/CD, Agile Development, Cloud Computing, Linux, Unit Testing, Integration Testing, NoSQL Databases, Database Design, Web Development, Software Development Life Cycle

PROJECTS

EVENT TRACKING APP (Launched to <https://event-organize-app.onrender.com>)

2024

Eventify is a full-stack web application designed to help friends gather, organize events, and manage group activities. The application allows users to create, update, delete, and view events, providing a seamless event management experience.

- Designed a dynamic front-end using **React with Vite**, optimizing user experience across pages like Landing, Register, and Dashboard; elevated user satisfaction by ~25% through a more streamlined interface and improved navigation.
- Built a robust back-end server with **Node.js** and **Express**, and integrated a **MongoDB** database hosted on Atlas for managing user events and data.
- Achieved full **CRUD** functionality for events, allowing users to create, update, delete, and retrieve events.
- Configured **Axios** for efficient API calls and optimized data retrieval.
- Conducted extensive testing and error handling using **Thunder Client** and **Express-Async-Errors**.

FRONTEND PORTFOLIO DESIGN (Launched to <https://react-portfolio-zh.vercel.app>)

2024

- Built reusable components to streamline content management and enhance maintainability across portfolio sections.
- Utilized **Tailwind CSS** for rapid styling and responsive design, optimizing user experience across all device sizes.
- Integrated **Framer Motion** to add smooth animations and transitions, enhancing user engagement and showcasing advanced **UI/UX** skills.

CERTIFICATION

[AWS CERTIFIED DEVELOPER ASSOCIATE](#)

Apr 2024 - Apr 2027

[GOOGLE CLOUD – ASSOCIATE CLOUD ENGINEER](#)

Aug 2024 - Aug 2027