XIANHONG CAI

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FULL STACK JAVA DEVELOPER

Skilled Full Stack Java Developer with more than 5 years of professional experience in leading projects through all phases of the software development life cycle to build scalable, efficient, high quality and user-friendly software applications. Proven experience in leading cross functional teams by performing code reviews, providing constructive feedback, and ensuring the implementation of best coding standards. Skilled in using technologies such as Java, Spring, Hibernate, JavaScript, Node.js, Angular, Express and MongoDB.

Major phases of SDLC • Web Service • Java Programming • MySQL • User Interface
Front End/Back End • Project Leadership • Database Development • Data Structures and Collections
Object Oriented Programming • Design Patterns

Languages: Java
Web: HTML, CSS, JavaScript, jQuery, TypeScript, Bootstrap
Web Services: REST
Web/App Servers: Apache, Tomcat
Frameworks: Spring, Hibernate, Node.js, Express, Angular
Databases: MySQL, MongoDB
Design Patterns: Singleton, Factory, Abstract Factory, Builder, Adapter, Proxy, Observer, Template Method, Iterator, Prototype
SDLC: Agile / Scrum, Waterfall
Tools: Maven, NPM, WebStorm, IntelliJ IDEA, Eclipse, GitLab/GitHub, JUnit, postman, StarUML
Platforms: MacOS, Windows

PROFESSIONAL EXPERIENCE

CAREER NOTE: *Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).*

YIWEISHEN, Suzhou, China • 10/2018 – 04/2022
Vacuum cleaner development, production, sales, and service company.

Project Manager (12/2019-04/2022)
1. Delivered Java/Spring-based inventory management projects within timelines using Agile/Scrum.
2. Led code reviews, ensuring adherence to OOP design patterns and Java best practices.
3. Implemented change requests, optimizing MySQL databases and Tomcat servers for performance.
4. Organized and led productive project meetings, ensuring clear communication and updates.
5. Championed a cohesive team culture by promoting open communication, recognizing achievements, and cultivating a transparent and empowering work environment.

Software Engineer (10/2018- 11/2019)
1. Developed full-stack inventory management features using Java, Spring, Hibernate, JavaScript, jQuery.
2. Implemented RESTful APIs, integrating with front-end components.
3. Debugged issues through log analysis, optimizing SQL queries for database performance.
4. Investigated and resolved technical issues reported by users or detected through monitoring systems.
5. Collaborated with cross-functional teams including product managers, UI/UX designers, and front-end developers to ensure a seamless user experience.
6. Conducted unit testing using JUnit, ensuring high code quality and reliability.
Technologies Used: Java, Spring, HTML, CSS, Tomcat, MySQL

CLEAN-WELL, Suzhou, China • 05/2016 – 05/2018
Vacuum cleaner development, production, sales, and service company.

Java Software Engineer
1. Developed and maintained a CRM System as the main developer, ensuring its functionality and performance met business requirements.

2.   Implemented MVC, DAO patterns, and jQuery for optimal tech stack, enhancing performance and UX.
3.   Collaborated with cross-functional teams like UI/UX, Marketing, QA, leveraging Agile for seamless execution.
4.   Conducted JUnit testing, bug fix, code reviews, ensuring high-quality, stable software delivery.
Technologies Used: *Java, Spring, Hibernate, JavaScript, HTML, CSS, jQuery*

ACADEMIC PROJECTS

MIU (2023) Gym Reservation System: Offers online reservations for fitness services. Users can easily book, manage history, while administrators handle user, class, and trainer details. I created an intuitive interface for users to book fitness classes and manage their reservations and implemented an authentication system for secure access, allowing users to personalize their bookings and manage preferences. *Utilized JavaScript, TypeScript, Angular, Node.js, Express, REST, MongoDB, Bootstrap*

MIU (2023) Online Music player: Developed a client-server app for users to explore and manage their music collection, including user authentication, song listing, playlist creation, and playback controls. I had responsibility of implementing the song listing and playlist modules. I designed and engineered functionalities that empowered users to seamlessly add, modify, and remove songs from their curated collections. *Utilized JavaScript, CSS, HTML, Express, Node.js, REST*

MIU (2023) Online Bookstore Management System: User platform for browsing, searching, and purchasing books. Administrators gain advanced tools for inventory management and sales analysis. Designed and implemented database entities 'Genres,' 'UserRoles,' and 'Status.' I developed RESTful APIs, repositories, services, and controllers. Generated reports for top-selling books, revenue computation queries, and optimizing query performance. *Utilized SQL, MySQL, Spring Boot, REST*

MIU (2023) Library Information Management System: The Library Information Management System streamlines library operations with secure staff login, intuitive book management (add, edit, delete), convenient checkout, and overdue calculations. Built the book management module, managing tasks encompassing book addition, editing, and removal. Implemented the book check-out feature and calculated overdue information. *Utilized Java8, design pattern, UML, OOP, OOD, Java Swing*

EDUCATION

Masters of Science in Computer Science
(In progress via distance education; expected completion 10/2025)
Maharishi International University, Fairfield, Iowa

Key Courses: Modern Programming Practices Algorithms, Web Application Programming, Database Management Systems Modern Web Applications

Masters in Business Administration
Guangxi Normal University, Guangxi, China (12/2022)

Bachelor of Commerce - BCom
JiangSu Vocational College of Commerce, Nanjing, Jiangsu, China (07/2008)