

HERITIER KIMBI

Haltom, City, TX • (510) 368-4591 • kimbih6@gmail.com • [LinkedIn.com](#) • [Portfolio](#)

Software Engineer

Aspiring Engineer with a strong foundation in designing scalable systems, building user-focused applications, and solving technical challenges. Proficient in Java, C++, React, and SQL, with hands-on experience developing academic projects like library management systems and interactive learning tools. Skilled in debugging, performance optimization, and team collaboration. Dedicated to continuous learning and integrating cutting-edge practices into development.

Technical Skills: Programming Languages: Java, C++, Go, python | Web Development: HTML, CSS, JavaScript, React | Databases: MySQL | OS: Linux, Mac, Windows | Firebase Deployment | Android Development

KEY HIGHLIGHTS (PROJECTS)

BiblioConnect (Group Project) | Technologies Used: Java, SQL, Eclipse IDE

- **Platform Development:** Worked with classmates on BiblioConnect, a Java and SQL-based platform that integrates library management and social networking functionalities.
- **Catalog Management:** Successfully managed a dynamic catalog of over 500 books and 100+ user profiles, simulating a real-world library system.
- **Feature Implementation:** Built key features such as book borrowing, account creation, and user profile management, enabling seamless interactions within a Java/SQL-driven backend.
- **Performance Optimization:** Boosted system efficiency by streamlining SQL queries and enhancing login security, ensuring faster navigation and data integrity.
- **User Engagement:** Facilitated active discussions among users, combining social networking with traditional library functionalities for a modernized user experience.
- **Debugging:** Leveraged Eclipse IDE to develop and debug the application, maintaining efficient code.
- **Individual contribution to project:** Implemented backend features, including book borrowing and returning, catalog management, and user account handling for seamless system functionality and user experience.

Flashcard Application (Independent Project) | Technologies Used: Java, Android SDK, Android Application Development

- **Application Design:** Ideated and built interactive flashcard application focused on enhancing programming knowledge.
- **Functionality Development:** Implemented random question generation functionality, displaying programming-related questions with answers to promote efficient learning and self-assessment.
- **Performance Optimization:** Optimized application performance through efficient state management and dynamic content rendering, ensuring smooth interactions for users.
- **User Engagement:** Delivered a user-friendly educational tool that increased engagement with programming concepts, supporting knowledge expansion in an interactive format.

ATM Machine Simulation (Independent Project) | Technologies Used: C++, Visual Studio Code

- **Simulation Development:** Created ATM machine simulation in C++ using Visual Studio Code, replicating real-world banking functionalities. Simulated an interactive banking environment, allowing users to perform transactions and manage accounts in a controlled setting.
- **Feature Implementation:** Designed and implemented key features such as user authentication, account management, and secure transaction processing, ensuring robust and reliable system operations.
- **System Architecture:** Created a secure system architecture to handle critical functions like deposits, withdrawals, and balance inquiries.
- **Authentication & Security:** Integrated user authentication protocols to prevent unauthorized access, enhancing security and mimicking real-world banking measures.

PROFESSIONAL EXPERIENCE

Delivery Driver • Instacart • San Francisco, CA

May 2023 – May 2024

- Delivered groceries, achieving a 95% on-time rate and consistent 5-star customer ratings.

Elementary Algebra Math & Computer Science Tutor • Las Positas College • Livermore, CA

January 2022 – May 2022

- Provided one-on-one instruction to over 20 students in Elementary Algebra, guiding them in understanding algebraic concepts, solving equations, and applying mathematical techniques effectively.
- Delivered personalized lessons to more than 30 students in introductory Computer Science, teaching foundational programming concepts, troubleshooting methods, and logical problem-solving to support their academic growth.

Full-time Student • Las Positas College • Livermore, CA

January 2021 – January 2022

- Focused on academic pursuits, dedicating time to completing coursework and achieving educational goals.

Student Assistant Library • Las Positas College • Livermore, CA

August 2018 – December 2020

- Streamlined user experiences by guiding patrons in navigating complex systems and locating resources efficiently, showcasing problem-solving skills and a customer-focused approach.
- Processed over 100 transactions daily, streamlining administrative workflows to reduce booking errors by 20% and increase daily capacity by 30%. Delivering a smoother scheduling experience that garnered positive feedback from patrons.

EDUCATION & CERTIFICATION

Bachelor of Science in Computer Science • California State University East Bay (CSUEB), CA • August 2022 May 2024

Code Path Intermediate Interview Skill Prep Certification • November 2024