

Brian Kam

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EDUCATION

UNIVERSITY OF CALIFORNIA IRVINE

Irvine, CA

Bachelor of Science in Computer Science, Dean's List (4x)

September 2020 – March 2025

Courses: Data Structures & Algorithms, Project in Databases and Web Applications

WORK EXPERIENCE

EVERMETA – Software Engineer Intern

July 2024 – Present

- Engineered and deployed Go-based microservices, enhancing system reliability by 10% and reducing transaction errors by 10% in a mid-scale IT environment, ensuring secure data transactions across business systems.
- Contributed to the development of a highly reliable video player as part of a team, focusing on implementing key features like play/pause, refresh, and advanced noise/haze reduction. These enhancements improved user satisfaction by 20%, reduced buffering time by 25%, and provided smooth, low-latency streaming at 60 FPS.
- Developed a system to aggregate news articles from multiple sources, reducing memory usage by 20% through the use of NoSQL databases. Accelerated content delivery speed by 35%, while boosting data availability and consistency.

PROJECTS

Spotube Downloader | Python Project

- Automated Playlist Conversion Solution:** Designed a Python tool using youtube-dl, Spotify API, and web scraping techniques to automate playlist transfers from YouTube to Spotify. Reduced manual processing time by 85% and improved media management efficiency.
- Local Data Retention Solution:** Created a scalable data retention solution with SQLite and file compression, ensuring 100% media retention and reducing storage costs by 40%, enabling seamless access to media across platforms.

Fablix Movie Page | Java, Tomcat, AWS, GCP, Docker, Kubernetes

- User Interface Development:** Crafted a responsive front-end using HTML, CSS, and JavaScript with advanced search, filtering, and autocomplete features for movies, optimizing the user experience for seamless navigation.
- Back-End System Architecture:** Built a robust back-end in Java with Tomcat, using a master-slave MySQL database configuration to optimize query performance. Reduced query response time by 40% and minimized user search errors by 18% through efficient API endpoints and server-side logic.
- Infrastructure optimization for large-scale deployment:** Managed the deployment and orchestration of the system using AWS load balancing, Kubernetes, and docker containers. Expanded scalability by 3x while reducing server response time by 30%.

ACTIVITIES

LikeLion | Co-founder of LikeLion UCI

August 2022 – August 2023

- Led enterprise training initiatives:** Co-founded UCI's first coding platform, facilitating peer learning for 100+ students with 80% hands-on collaboration.
- Directed coding and IT workshops:** Led 10+ workshops that trained participants in enterprise-level programming and IT practices, enhancing their ability to contribute to large-scale IT projects in Fortune 500 companies.
- Established global IT network connections:** Connected with over 50+ students with LikeLion's global network, providing mentorship and collaboration in global IT initiatives, hackathons, and enterprise-level project developments. This resulted in 20% of participants securing internship roles in tech

SKILLS

Languages: Python, Go, Java, C++, C, HTML/CSS, JavaScript

Frameworks & Library: Flask, FastAPI

Developer Tools: Git, Docker, AWS, GCP, Kubernetes, Tomcat, VS Code, Maven, PyCharm, IntelliJ, Eclipse

Concepts: Software Engineering, Data Structures and Algorithms, System Design, Cloud Infrastructure

Language Proficiency: Fluent in English and Korean; Conversational Proficiency in Japanese