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

EVEMETA – *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*
- 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 90%** and improved media management efficiency.
- 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*
- 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.
- 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.
- Managed the deployment and orchestration of the system using **AWS load balancing, Kubernetes, and docker containers**. **Expaned scalability by 3x** while reducing server response time by 30%.

ACTIVITIES

LikeLion | *Co-founder of LikeLion UCI*   August 2022 – August 2023
- **Co-founded** UCI's first coding platform, facilitating **peer learning for 100+ students** with 80% hands-on collaboration.
- 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.
- 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++, 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