Juyoung Kim

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U.S. Citizen in San Francisco, CA

Skills

Languages: Swift (Advanced), TypeScript, Python, SQL, C#. **Core Stack:** SwiftUI, React, Next.js, Supabase (Postgres/Realtime), GCP. **Specialized:** App Clips, RealityKit, 3D Gaussian Splatting, Event-Driven Architecture.

Technical Projects

SHARP Memories | Founding Engineer (iOS, Web, visionOS)

- Full-Stack Architecture: Built a cross-platform 3D capture app (Next.js, Swift, Python) converting a single 2D photo into Gaussian Splats. Architected an event-driven pipeline using Supabase Webhooks to trigger asynchronous serverless GPU inference on Modal.
- Viral Growth: Engineered an iOS App Clip (<15MB) to bypass App Store friction, enabling unauthenticated users to view heavy 3D assets instantly via iMessage to minimize friction and accelerate time-to-value.
- Cost Optimization: Designed a hybrid storage layer (Supabase + Cloudflare R2) to minimize egress fees paired with automatic storage bucket cleaning via pg_cron to maintain near-zero hosting costs.

Vantage Sports | Founder & Lead Architect (visionOS, SwiftUI)

- Revenue-Generating Product: Launched a subscription-based immersive streaming app on Apple Vision Pro, acquiring active users and recurring monthly revenue.
- Immersive Video Engine: Engineered a low-latency, stereoscopic video player using SwiftUI, AVFoundation and RealityKit, plus a custom synchronization engine via SharePlay to align playback across headsets, which was released as a standalone Swift package at GitHub URL .

Work Experience

Wells Fargo | Software Engineer, Backend Infrastructure, CA   *July 2023 to Present*

- System Migration: Designed and developed a high-throughput migration pipeline from MongoDB to SQL for critical legacy systems, ensuring zero data loss and 100% data integrity.
- Performance Engineering: Refactored Python ETL scripts to reduce data processing latency by 60%, significantly optimizing internal reporting dashboards.
- DevOps Leadership: Led monthly production deployments, orchestrating code integration across multiple teams and enforcing SDLC best practices.

Software Engineering Intern, Wells Fargo, NC   *June 2022 to August 2022*

- Awards: Secured 1st Place in the AI Hackathon by developing a Voice Impersonation Detector using Google Vertex AI and audio spectrogram classification.

Education & Certificates

- B.S. in Computer Science from UNC - Chapel Hill   Graduated 2023
- Google Cloud Architect and Engineer Certificates