

KHOI NGUYEN

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Alumni Ventures

Dear Hiring Manager,

I am excited to apply for the Software Engineer position at Alumni Ventures. With a background in building event-driven frameworks, distributed systems, and full-stack applications, I thrive in fast-moving environments where engineers own problems end-to-end and see their impact immediately. Alumni Ventures' mission to power innovative startups with technology resonates strongly with me, and I am eager to contribute my skills to your team.

In my role as a Hardware Verification Intern at AMD, I designed and implemented "Matrix," an event-driven automation framework in Go and SQLite that streamlined debugging workflows for over 100 engineers. This experience sharpened my skills in system design, APIs, and automation. More recently, I led DynamoHub, a student project where my team built a traffic management platform using Kafka, AWS IoT Core, Jetson Nano, Flask, and PostgreSQL for real-time updates. These projects demonstrate my ability to design data pipelines, integrate across cloud and edge systems, and deliver reliable solutions under tight timelines.

Beyond technical skills, I bring a mindset of curiosity and ownership. At XtayPro Canada, I built and deployed the company website using Next.js and Tailwind while also setting up workflows and tools for a small startup team. I thrive in environments with ambiguity, where I can identify challenges, propose solutions, and drive them to completion. I also embrace AI tools in my workflow as accelerators-whether for validating design decisions or generating test scaffolding-while ensuring I deeply understand and refine the code.

I would be thrilled to bring this mix of technical depth, startup experience, and problem-solving mindset to Alumni Ventures. I am eager to learn from your team of seasoned engineers while contributing to the mission-driven technology that powers investments and entrepreneurship.

Thank you for your time and consideration. I look forward to the possibility of discussing how my background aligns with Alumni Ventures' goals.

Sincerely,

Khoi Nguyen