

# KHA NGUYEN

kha.t.nguyen.1@gmail.com

github.com/khanguyen74 | linkedin.com/in/kha-nguyen-074 | kha-nguyen.com

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**Software Engineer** with 3+ years of full stack web development experience, specializing in strong fundamentals in Front-end technologies. Skilled in leading front-end development and integrating scalable backend services using modern frameworks like Next.js, NestJS, and FastAPI. Currently pursuing a Master's in AI, with expertise in databases, APIs, and creating seamless user experiences. Eager to drive innovative solutions in a dynamic engineering environment.

## Skills

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- Programming Languages: JavaScript, Python, HTML, CSS, Java, C++
- Frameworks & Tools: Next.js, Node.js, React.js, FastAPI, React Native, Git
- DevOps & Database: Docker, Kubernetes, AWS, Azure, PostgreSQL, MongoDB, MySQL

## Work Experience

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### Varis

July 2021 – May 2024

Software Engineer

Remote

- Developed a high-performance design system UI library to ensure consistency across all internal and customer-facing applications, reducing UI development time by 30% and improving user experience across the Varis eProcurement platform
- Designed and developed a scalable user interface with Next.js and a RESTful API backend using FastAPI (Python) for managing e-commerce catalog files, fully integrated with Azure services to streamline catalog data processing, achieving a 40% increase in processing speed and significantly enhancing scalability and efficiency.
- Optimized the product search results micro front-end using Next.js, reducing page load times by 25% and driving a 15% increase in search-to-purchase conversions, which enhanced the platform's overall usability
- Led the implementation of multiple analytics tools across all micro front-end applications, creating custom events to capture key user data and enable data-driven optimizations, contributing to a 10% increase in conversion rates across the platform
- Collaborated cross-functionally with product managers, designers, and backend teams to deliver new features, improving project delivery times by 20% through effective communication and agile development practices

## Education

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**University of the Cumberlands**, Williamsburg, KY

Expected May 2026

Master of Science in Artificial Intelligence

**University of Texas at Dallas**, Richardson, TX

Graduated 2019

Bachelor of Science in Computer Science

## Projects

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**DevQuickTools** (<https://dev-quick-tools.vercel.app/>)

- Developed a comprehensive web application offering a variety of developer utilities, including string-to-JSON conversion, UUID generation, encryption, hashing, and date-time manipulation, enhancing productivity for developers
- Built with Next.js to ensure optimal performance and server-side rendering, resulting in improved SEO and a smoother user experience
- Designed a responsive UI for seamless navigation across desktop and mobile devices, receiving positive user feedback for its intuitiveness and efficiency