

Gihoon Kim

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Software Engineer

Software professional with a product mindset, known for delivering reliable systems and raising team standards. Experienced across the full development lifecycle from system design to deployment and observability with a focus on maintainable solutions and clear stakeholder communication. Energized by complex challenges and high-performing teams that prioritize both speed and quality.

Areas of Expertise

Software Engineering | Product Mindset | System Design | End-to-End Development | Python | JavaScript | React | Java | C# | Prompt Engineering | Observability | Automated Testing | Code Reviews | UI Development | API Integration | Performance Optimization | Stakeholder Communication | Technical Documentation | Deployment & Monitoring | QA Automation

Technical Skills

Programming Languages: Python, Java, C#, C++, PHP, JavaScript

Frameworks & Libraries: React, Angular, Node.js

Web Technologies: HTML, CSS

Mobile Development: Android Studio

Server & DevOps Tools: Docker, Kubernetes, Azure DevOps, OpenAI API

Cloud & Version Control: Git, GitHub

Databases: SQL, MySQL, NoSQL

Professional Experience

KPMG, Toronto, ON

June 2022 - July 2025

Software Engineer

Managed per-client data intake and organization for an internal AI assistant, ensuring correct mapping and reliable, high-quality responses.

- Led prompt engineering and hands-on QA to diagnose issues, tune prompts, and deliver polished outputs that met client expectations.
- Delivered end-to-end features in Python and JavaScript—from requirements clarification and design to implementation, testing, deployment, and monitoring—ensuring predictable, high-quality releases.
- Developed React-based UIs with reusable components and robust state management, improving consistency and development velocity.
- Implemented client-specific solutions using Java and C#, integrating legacy services, external APIs, and internal platforms with stable interfaces.
- Improved performance and reliability via profiling, refactoring, and observability, reducing operational toil and mean time to recovery.
- Elevated code quality through automated tests, code reviews, and continuous refactoring; documented architecture, ADRs, and runbooks to scale team knowledge.
- Collaborated closely with product, design, and QA, communicating trade-offs and aligning scope, timelines, and success metrics.

Alpha Labs, Toronto, ON

January 2020 - April 2020

QA & Software Engineer Internship

Designed and maintained JavaScript automation for key UI workflows and high-risk scenarios, focusing on stability, readability, and reuse.

- Structured test cases into regression suites and smoke checks to accelerate validation cycles and reduce release risk.
- Collaborated with developers to improve testability (selectors, data setup) and mitigate flaky cases through sensible waits and robust assertions.
- Created and maintained documentation (test plans, cases, runbooks) to support consistent execution and onboarding.

Republic of Korea Army – Frontline Guard & Field Wireman

April 2014 – January 2016

- Served on the Korean Demilitarized Zone (DMZ) as a frontline guard, ensuring national security and safety under high-pressure conditions.
- Operated as a Field Wireman, responsible for establishing, maintaining, and repairing critical communication lines within the unit to support seamless operations.
- Demonstrated resilience and adaptability by performing duties in harsh and demanding environments while maintaining focus and commitment.
- Fostered strong teamwork and collaboration with peers and superiors, contributing to a disciplined and cohesive unit.
- Volunteered to extend service during a national emergency, prioritizing duty and the welfare of fellow soldiers, and received a Regimental Commander's Commendation for dedication and leadership.

Education

Computer Programming Diploma

Seneca College