Hyewon Ham

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LinkedIn | GitHub | Portfolio

Full-Stack Developer
Java | C# .net development | Agile/Scrum | Solution-Oriented Developer

Summary of Qualifications

- Completed Software Engineering Technology (Advanced Diploma), graduating June 2025; holds a Bachelor's in Computer Science Engineering
- Skilled in Java, C#, Python, React, TypeScript, Next.js, FastAPI, Spring Boot, and MongoDB
- Experienced in building scalable microservices, integrating OpenAI APIs, and deploying full-stack applications
- Developed mobile applications with Android and Google Cloud API, including STT/TTS accessibility features
- Strong in clean architecture, UI/UX design, and both collaborative Agile teams and independent development

Education

Software Engineering Technology Advanced Diploma   Jan. 2023 – Apr. 2025
Centennial College, Toronto, ON   *GPA:* 4.2/4.5 (A)

Core Skills: C# Programming   Java Programming   AWS & API Development
                      Microservice Development   Linux/Unix OS   Advanced Database Concepts

Bachelor of Computer Science Engineering   Graduated in 2021
Inha Technical College, Incheon, Korea

Relevant Work Experience

Full-Stack Developer | Centennial College, Scarborough, ON   Sep 2024 – Feb 2025
- Designed and developed responsive UI components using Next.js to enhance user experience
- Implemented RESTful APIs using Django to support communication between front-end and back-end systems
- Built scalable backend services with FastAPI following clean architecture principles
- Integrated a Large Language Model to improve operational efficiency and automation

Software Developer (Co-op) | Faubert Lab, Montreal, QC   Oct 2019 - Dec 2019
- Developed application features based on system requirements and academic references
- Troubleshot and debugged issues, improving application stability
- Participated in regular sprint meetings and requirement reviews with team members

Select Project Work

Virtual Patient Interview / *Centennial College*, Toronto, ON | Professional Project
- Contributed to an AI-powered simulation tool for medical interview training
- Led development of the evaluation module using OpenAI Assistant API
- Built UI with Next.js/TypeScript and backend with FastAPI

Jam Social | Jam Social, Calgary, AB | Industry Project (Course-Based)
- Built a full-stack networking platform using Next.js, TypeScript, and Node.js
- Designed and implemented accessible UI for event hosts and attendees
- Developed event discovery with hashtag and location-based filters

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Betting with Card | Faubert Lab, Montreal, QC | Professional Project
- Analyzed both functional and non-functional system requirements based on academic publications
- Contributed to UI/UX updates iteratively based on Scrum meeting feedback
- Collaborated closely with research team and software developers for implementation alignment

Patient Monitoring App | Academic Project
- Led full project setup including folder structure, Git, and database, and unified multiple microservices/microfrontends under a single gateway
- Deployed the platform to production for public access with one-command launch across Node.js and Python services
- Implemented nurse vitals view and patient-specific dynamic daily input forms based on monitored fields

Pulsepoint Community | Academic Project
- Built a microservice-based web application for posting community updates and help requests with role-based access control
- Designed and implemented an AI chatbot using Google Gemini and LangChain.js to answer questions based on live community data via RAG
- Integrated multiple backend services using GraphQL federation and developed the frontend with React

Accessible Phone Application | Academic Project
- Developed an Android app with STT/TTS functionality using Google Cloud API to support accessible communication for users with hearing impairments