

Hyewon Ham

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Software Developer

TypeScript | Python | Node.js | Azure | Scalable Systems | LLM Integration

Summary

- Motivated junior full-stack developer with a focus on building scalable and user-focused web applications
- Hands-on experience delivering projects with Next.js, FastAPI, Spring Boot, and .NET
- Demonstrated ability to integrate AI tools such as OpenAI and Gemini APIs into real applications to improve efficiency and consistency
- Proven track record of solving production issues and restoring critical integrations under tight deadlines
- Strong collaborator in Agile environments, quick to learn new tools, and adaptable to diverse project requirements

Work Experience

Freelance Full-Stack Developer | Parki Interiors, Remote

Jun 2025 – Present

- Fixed critical FastAPI backend error from nested data retrieval, stabilizing API responses under high traffic
- Rebuilt Instagram feed integration by replacing the deprecated API with a Facebook OAuth workflow and long-lived tokens, restoring reliable media retrieval with a 95% success rate in testing and reducing feed response time to under 800ms
- Refined website footer for consistent branding across all pages and ensured stable deployment without downtime
- Optimized backend logic while preserving existing UI functionality and ensuring production stability

Full-Stack Developer | Centennial College, Scarborough, ON

Sep 2024 – Feb 2025

- Engineered scalable FastAPI APIs with clean architecture, enabling faster feature delivery and easier maintenance
- Integrated OpenAI API to automate evaluations, supporting consistent scoring across dozens of student submissions and eliminating manual grading steps
- Contributed to front-end (Next.js) and back-end, ensuring smooth data flow and minimizing interface issues

Projects

Well Done Today | Personal Project

- Optimized the entry list API by returning only required fields and performing server-side sorting, achieving an average response time of 750ms and completing 95% of requests within 930ms under test load
- Prevented duplicate daily entries and redundant notifications with API-level checks and atomic upserts, improving reliability under repeated requests
- Implemented authentication with bcrypt password hashing and stateless JWT validation, ensuring secure and efficient request-level access control.

Patient Monitoring App | Academic Project

- Integrated four microservices into a single Apollo GraphQL gateway with authorization header forwarding for consistent access control
- Implemented nurse vitals workflow to fetch historical readings and record new measurements with server-side validation and ISO timestamping
- Built patient-specific dynamic daily input backed by monitored fields with validation to block invalid keys, reject duplicates, enforce required fields, and prevent multiple submissions per day

Education

Software Engineering Technology Advanced Diploma

Centennial College, Toronto, ON

Jan. 2023 – Apr. 2025

GPA: 4.2/4.5

Bachelor of Computer Science Engineering

Inha Technical College, Incheon, Korea

Graduated in 2021