



Seung Hyun Nam

Web Developer

✉ nsh_823@naver.com

☎ 010-9823-0189

🌐 <https://www.peternam.site>

🐙 <https://github.com/nsh0823>

👤 About Me

“Turning inconvenience into convenience, I use user satisfaction as a driving force for growth.”

I find the greatest fulfillment as a developer when the features I build provide practical value and convenience to users. I carefully consider every user touchpoint, including accessibility improvements, UI/UX details, and performance optimization.

🎓 Education

Furman University

BA in Japanese Studies | South Carolina, USA

2014.08 ~ 2018.05

- GPA: 3.89 / 4.0
- Phi Beta Kappa Member
- Relevant Courses:
 - Intro to Programming
 - Intro to Discrete Math
 - Vectors and Matrices
 - Differential Equations
 - Analytic Geometry & Calculus
 - Statistics

📁 Work Experience

dataSpring Korea

2022.02 ~ 2025.06

Survey & Solutions Coordinator | Seoul, South Korea

Built and operated PanelNow survey UIs for app/webview environments, improving UX and workflow efficiency through external integrations and internal automation tools.

Internal Quotation Automation Tool — instaQuote

| [Site](#) · [GitHub](#) | *instaQuote: React rebranding version, excluded internal data/client information*

- Designed user flows in Figma and built an internal web tool with Google Apps Script, HTML, CSS, and JavaScript.
- Implemented validation, option controls, auto-calculation, quotation generation, dashboard management, and guidance messages to reduce input errors and repeated checks.
- Improved loading speed, input flow, error handling, and usability through feedback iterations.
- Reduced quotation preparation time, manual errors, and improved internal adoption.

PanelNow Survey UI Development

- Developed online survey UIs with internal tools, HTML, CSS, JavaScript, and jQuery.
- Operated webview frontend flows covering inputs, conditional logic, validation, redirects, and completion handling.
- Built responsive PC/mobile layouts with Flexbox, Grid, and media queries to improve readability.
- Improved performance and response quality through large-image preloading and CAPTCHA pages.

External Platform Integration

- Analyzed third-party parameter passing, completion handling, and redirect flows.
- Connected external platforms and internal survey systems via API/URL parameter-based integrations.

Workflow Automation

- Built automation scripts for repetitive tasks with JavaScript, Google Apps Script, and macro tools.
- Reduced selected manual tasks from over an hour to seconds.
- Organized shared scripts and recurring code patterns to improve team productivity and code reuse.

Courses

Boostcourse | Naver Connect

2025.05 ~ 2025.06

- **Computer Science for Everyone** (Harvard CS50)
 - Computational thinking, C programming, algorithms, memory, and data structures

SmartLearn | POSTECH, POSCO

2020.11 ~ 2021.01

- **Introduction to Computer Engineering I & II**
 - C programming, functions, control flow, file I/O, arrays, and structures
- **Python Programming I & II**
 - Python fundamentals, functions, modules, data structures, and problem solving

Skills

- Frontend:** HTML, CSS, JavaScript, TypeScript, React, Tailwind, Zustand, TanStack Query
- Backend:** Node.js, NestJS, Express.js, TypeORM
- Database:** MySQL, MongoDB
- DevOps:** AWS, Google Cloud, Docker, Nginx, GitHub Actions
- Testing:** Jest, Vitest, Storybook, Postman
- Tools:** Figma, Notion, Jira, Git, n8n

Bootcamp

- **Boostcamp Web Full-Stack Membership** 2025.06 ~ 2026.02
Naver Connect Foundation | Seoul, South Korea
Completed full-stack training in React, TypeScript, Node.js, real-time features, state management, testing, CI/CD, and deployment, while strengthening CS-based problem analysis and system understanding.
- **Funda | Gamified CS Learning Platform**
[| Site](#) · [GitHub](#)
React, TypeScript, Emotion, Vite, TanStack Query, Zustand, Socket.io, NestJS, MySQL, Docker, GitHub Actions, nginx, Vitest, Storybook, Turborepo
- **1) Real-Time Battle Timer Accuracy & Rendering Performance** | [PR #411](#), [#422](#)
Resolved production countdown drift and full-page re-rendering caused by timer logic scattered across multiple components.
 - Corrected client-side time differences using serverTime-based offset calculation.
 - Separated timer display and sound responsibilities into dedicated components.
 - Reduced rendering scope by removing scattered timer logic.Secured consistent server-based countdowns and learned to design state update boundaries together with rendering responsibilities.
- **2) Authentication State & Loading UX** | [PR #230](#), [#443](#)
Resolved auth-related UI flicker and loading instability caused by premature rendering before auth state resolution.
 - Refactored authentication lookup with TanStack Query's useSuspenseQuery.
 - Controlled pre-auth UI exposure with an isAuthReady guard.
 - Removed global Provider-level Suspense and handled loading at necessary lower-level screen sections.Clarified proper Suspense usage and scoped loading boundaries for render-time async states.
- **3) AI-Based 6,000-Question Generation Pipeline** | [Documentation](#)
Addressed a 60+ hour manual bottleneck in creating 6,000 quiz questions, which limited parallel development.
 - Designed an n8n workflow to iterate through a Google Sheets-based curriculum.
 - Separated AI question generation, parsing, and validation steps, using JSON Schema to validate output formats.
 - Implemented five-unit checkpoints and retryable execution for failed sections.Enabled approximately 6,000 questions to be generated in about four hours, and learned the importance of retryable workflows and intermediate saving.
- **CS-Based Implementation Missions & Internal Behavior Study**
 - Implemented mini Git to analyze version control internals, including Git index/object structures, blob storage, and checksums.
 - Validated CS concepts through code by implementing OS memory structure, event loops, an asynchronous EventManager, and an XML parser.
 - Strengthened problem-solving skills by repeating the cycle of problem analysis, structural design, implementation, testing, and refactoring.
 - Gained experience in backlog management, scrums, code reviews, PR-based collaboration, and technical documentation.

✈️ Global

USA | About 12 years & 5 months

- **Texas** | Formal Education · Graduate School
 - Completed elementary, middle, and high school education. (2006.07 ~ 2014.05)
 - Studied in the International Studies master's program at Texas State University for 1 year before withdrawing. (2019.08 ~ 2020.04)
- **South Carolina** | Undergraduate School
 - Graduated from Furman University with a Bachelor of Arts in Japanese Studies. (2014.08 ~ 2018.05)

Japan | About 1 year & 11 months

- **Fukuoka** | Study Abroad · Working Holiday
 - Studied as an exchange student at Seinan Gakuin University. (2016.08 ~ 2017.05)
 - Worked at SHI. INC Residence Hotel, handling facility management, front desk service, customer phone support, data entry, and office assistance. (2018.09 ~ 2019.06)
- **Tokyo** | Internship
 - Interned at TMJ Japan Ltd., handling Korean-English-Japanese interpretation and translation, transcription, document organization, and office assistance. (2018.05 ~ 2018.07)

🗣️ Language

- English (TOEIC Speaking AL, 2017)
- Japanese (JLPT N1, 2018)

🎮 Hobbies

- Weight Training
- Tennis
- Table Tennis
- Violin
- Chess

📖 Bootcamp (Continued)

🕒 AI Applied SW Development & Data Analysis 2021.02 ~ 2021.08

Encore Playdata | Seoul, South Korea

Studied web frontend development with HTML, CSS, JavaScript, jQuery, and JSP, and gained experience in component-based UI development and client-server integration through a Vue, Vuetify, and Vuex-based project.

● ONEGO | AI Writing Assistance Web Service

| [Site](#) · [GitHub](#) | Test Login → Email: test@example.com, PW: test1234

Vue, Vuetify, Vuex, TypeScript, JavaScript, HTML, CSS, Spring Boot, MongoDB, Docker, GitHub Actions

- Implemented user-facing frontend screens including search, search results, account settings, profile editing, saved/published posts, and writing pages.
- Experienced complex data flow in the core writing screen, where Props, Emit, EventBus, and Router were mixed across components.
- Introduced Vuex to centralize state access through the Store and separate writing state into modules.
- Reduced direct component-to-component data passing, established one-way data flow, and strengthened understanding of state management patterns and component responsibility separation.

● Full-Stack Web Development & Python Data/AI Fundamentals

- Studied Java, Spring Boot, and MySQL-based web application architecture and client-server integration.
- Implemented user-facing frontend screens for features such as search, orders, and account management.
- Studied Python-based data analysis, machine learning, and deep learning development.
- Gained experience in team-based collaboration and the web service development process.

📁 Additional Projects

🕒 Personal Projects 2026.04 ~ 2026.05

● Portfolio Website | Personal Portfolio Website

| [Site](#) · [GitHub](#)

Next.js, TypeScript, Tailwind, Framer Motion, Vercel

- Developed the project through an iterative AI-assisted workflow using ChatGPT Codex, including requirements documentation, implementation delegation, code review, testing, and revision requests.
- Gained experience with an AI-based development workflow while directly verifying content structure, UI quality, and responsive behavior.

● IoT Automation | Personal Automation Project

| [Blog](#).

- Automated IoT power strip control using the Google Assistant API, shell scripts, and macOS Automator.
- Configured DAS power-off when unused, plus power-on, mount, and open flows through Finder-based automation.
- Automated MacBook charging power control based on sleep/wake events to reduce manual operation and unnecessary power supply.