SH.dev Portfolio Snapshot
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Tagline (translated): Full-stack developer who delivers tangible value for users and teams.
Hero message: Create. Build. Deploy. The site introduces SH.dev as developer Shin Hyunwoo.
Learning focus highlights: React Query caching strategies, NestJS modular testing, and AWS deployment automation.

Guiding Values

- Analyze problems structurally and pursue root causes.
- Form hypotheses with data and validate them rigorously.
- Simplify cross-team communication and build trust through documentation.
- Treat readable, maintainable code as the greatest productivity lever.
- Prioritize observability in every system.
- Aim for user experiences that stay simple yet powerful.

Impact Metrics

- API P95 latency reduced from 900ms to 280ms for the FillMe service.
- Crash-free mobile sessions improved from 96% to 99.2% on FillMe.
- Deployment lead time cut by 70% through the DevOps-Hub pipeline.
- SSH/SFTP error rate lowered by 90% via DevOps-Hub enhancements.
- Signage playback failure rate reduced from 3.1% to 0.6% for the Insadong tourism system.

Core Skills

Frontend: React, Vite, Tailwind CSS, Zustand, TanStack Query, TypeScript.
Backend: Spring Boot, NestJS, MySQL, Redis, JPA, JWT, REST API design.
Mobile & Desktop: React Native, Electron, Expo.
DevOps: Docker, GitHub Actions, AWS EC2 and S3, Nginx, Terraform, PM2.
Additional: CI/CD practices, OAuth2, Clean Architecture, Git, Progressive Web Apps, Accessibility.

Current Focus and Next Steps

Now: Optimizing Electron plus React desktop apps, advancing AI summarization and Q&A, refining Flowin planner UI and performance.
Next: Adding LLM-based personal assistant features, modularizing CI/CD workflows, and fully automating AWS infrastructure with Terraform.

Professional Timeline

2022.09 - Began development journey through a 900-hour Java full-stack bootcamp covering Java, Spring, and foundational frontend skills.
- Solo JSP exhibition and auction web project: implemented exhibition and auction management (JSP, Servlet, MySQL).
- Solo Spring-based movie ticketing web project: CGV-style booking and CRUD exercises (Spring, JSP, MySQL).

2023.05 - Joined InnovationT as a back-end focused full-stack developer handling public and private SI projects end-to-end.
- Sunmoon University academic information renewal: ported VB to C#, redesigned shared modules, and improved performance (C#, .NET, MS-SQL, IIS).
- Incheon Seo-gu contract information upgrade: enhanced Spring Legacy features and maintenance (Java, Spring, JSP, Oracle, Linux).
- FillMe health supplement recommendation app: delivered JWT/OAuth auth, optimized user data flows, and shipped React Native + admin web apps (Spring Boot, MySQL, JWT/OAuth, React Native, React).
- Insadong Hanbok signage system: gathered requirements, designed system end-to-end, added multilingual support and subtitle controls (C#, Unity, MySQL, Figma).

2024.12 - Joined ULLIM as a full-stack engineer for public sector systems modernization and maintenance in high-volume, dual-network environments.
- Animal drug management system upgrade: Nexacro plus Spring Boot enhancements and operations support.
- eCTD 4.0 system upgrade: automated document validation and version management with zero-downtime transitions (Spring Boot, XML).
- MFDS research management maintenance: handled requirements and server infrastructure (JSP, Java, Spring, Oracle).

Flagship Deliverables

FillMe - AI-driven health recommendation app tackling API latency and session drops.
- Redesigned auth with JWT plus OAuth2 and stabilized sessions.
- Accelerated MySQL queries with indexing to trim recommendation latency by 69%.
- Introduced GitHub Actions to EC2 automated deployments and refined recommendation logic using user behavior logs.
- Results: crash-free sessions at 99.2%, P95 latency cut from 900ms to 280ms, seven-day retention up 18%.

DevOps-Hub - Consolidated Git, SSH, and SFTP workspace reducing terminal juggling.

- Built SSH2 real-time terminal with SFTP tree UI and automated Git workflows (commit, push, stage).
- Unified Electron and NestJS environment with Docker plus GitHub Actions CI/CD.
- Results: deployment lead time down 70%, SSH/SFTP errors down 90%, session switching 2.5x faster.

Insadong Hanbok signage system - Stabilized multimedia signage and localization.
- Designed offline content cache and playback scheduler to reduce network dependence.
- Implemented Korean, English, Chinese, and Japanese subtitle modules with Oracle tourism API integration.
- Results: playback complaints down 70%, international visitor usage up 30%, rollout time shortened by 60%.

Side Projects Snapshot

Note - Electron productivity suite (Jun-Jul 2025, active).
- Electron plus React offline workspace merging markdown notes, flashcards, and scheduling with dual-panel editing and autosave.
- Flashcard folders with instant edit, study, and flip transitions, plus PDF/CSV/XLS export from calendar views.
- Legacy JSON storage migrated into split metadata and body files, normalizing image paths and cleaning unused assets.

Flowin Ledger - Desktop finance manager for KRW and USD freelancers (Sep-Oct 2025, active).
- Electron local storage keeping entries.jsonl and fxrates.json atomic for offline security.
- Three-pane view for transactions, currency exchange, and asset holdings with modal-driven workflows and Chart.js analytics.
- Auto converts USD trades to KRW via a rate resolver, highlights missing FX data, and unifies exchange plus holdings CRUD flows.

Dailyon - AI productivity companion PWA (since Aug 2024, active).
- Hybrid local 3B and cloud 7B models orchestrated for real-time note summaries and tag recommendations.
- Drag-and-drop board with JSON-defined category fields, optimistic layout sync, and dnd-kit powered reordering.
- JWT refresh automation with Axios interceptors plus modular Spring Boot and WebSocket pipelines for live scheduling and chat.

Key Links

- GitHub: https://github.com/Foongdoll
- Portfolio: https://foongdoll.dev
- Blog: https://dailyon.vercel.app
- Resume download path: /resume.pdf