Jay T.

About

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Full-stack engineer, 2.5 years in. I've shipped production systems in climate tech, real estate, and cybersecurity - most recently building LLM agents for carbon-related workflows. I care about domain modeling as much as UI polish.

Education

Gachon University — B.S. in Computer Science and Engineering
South Korea · 2022 — 2026
GPA: 4.4/4.5

Experience

WinCL — Climate Tech · **Software Engineer**
Sep 2025 → Sep 2026

- Developing and maintaining enterprise-grade backend services for both internal and external platforms
- Contributing to system integration, data processing, and API development in production environments
- Developing and integrating AI-powered LLM agents for climate and carbon-related use cases

Binayah — Real-Estate · **Back-End Developer**
May 2025 → Aug 2025

- Engineered domain layers using DDD constructs with strict enforcement of bounded contexts and clean architectural separation.
- Developed use-case–oriented application services within a NestJS monorepo, integrating Prisma ORM while maintaining domain integrity and consistent service contracts.

GazAgroChem — Agricultural Chemicals · **Full-Stack Developer**
2024 → 2025

- Spearheaded the development of GazAgroChem's corporate website, architecting both frontend and backend systems to enable scalable content management and responsive UI
- Built modular, maintainable SCSS architecture with component-based styling patterns for cross-device performance and reusability.

CS Company — Cybersecurity · **Back-End Developer**
2023 → 2024

- Engineered and deployed high-availability RESTful APIs using Node.js, Express.js, and MongoDB, adhering to SOLID principles and modular design patterns.
- Introduced microservices architecture to decouple core functionalities, improving system resilience and deployment agility.

Skills

JavaScript · TypeScript · REST API · Node.js · Python · Express.js · React.js · Next.js · GraphQL · Docker · AWS · MongoDB · PostgreSQL · Tailwind · Agile/Scrum · Git/GitHub · Linux/Bash

Toolbox

Languages & Runtime
JavaScript, TypeScript, Python, Node.js, Bash, PHP

Frameworks & Libraries
React, Next.js, Express.js, SCSS, Tailwind CSS, WordPress, GraphQL

DevOps & Deployment
Docker, Git, GitHub, GitHub Actions, Jenkins, AWS, Nginx, Netlify, Vercel

Testing & Monitoring
Jest, Postman, New Relic, PM2

Project Management & Collaboration
Jira, Notion, Trello, Slack, Discord, Google Workspace, ClickUp

Languages

- ✓ English — Fluent
- ✓ Korean — Upper-Intermediate
- ✓ Russian — Fluent
- ✓ Uzbek — Native