

Full-Stack Engineer Jin Hwan



Aspiring full-stack engineer with extensive development experience, capable of quickly learning and flexibly adapting to new environments.

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📄 블로그

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About

- Full-stack engineer with hands-on experience in web, app, AI Agent, and other projects.
- Actively utilize Claude Code.
- Extensive use of various tech stacks including Django, FastAPI, and Flutter, centered on Node.js (Nest.js) backend development.
- Experience in infrastructure construction and operation through Docker containerization and various cloud providers such as AWS, GCP, Cloudflare, and NCP.
- Experience in stable service operation through load testing and test code.
- Through the above experiences, I have the ability to quickly digest new technologies and environments.

🔧 Skills

- | | |
|-----------------|---|
| Backend | <ul style="list-style-type: none">• javascript, Typescript / NestJs• java / spring boot• python / Django, FastApi |
| Frontend | <ul style="list-style-type: none">• React, NextJs |
| DevOps | <ul style="list-style-type: none">• AWS : ec2, ALB, autoscaling, NAT gateway, RDS, Cloudfront, CloudFormation, route53, S3 etc...• GCP |
| DB | <ul style="list-style-type: none">• postgresql, mssql, mysql• mongoDB• Redis |
| mobile | <ul style="list-style-type: none">• dart / flutter(ios, android) |

Work Experience



Eeboon Inc.

March 2025 - October 2025

AI-based UX writing optimization automation platform for financial institutions such as NH Investment & Securities, Samsung Securities, and Hanwha Life Insurance

Full-stack development and maintenance of all company products

- Client web application development and maintenance
- Admin dashboard development and maintenance
- Translation API provision to external partners and maintenance
- Figma Plugin maintenance
- New CI/CD implementation and maintenance for entire product suite

Nestj.js FastApi React AWS CI/CD Docker styled-components antd

Refactored operating environment to improve maintainability

Improved visibility and maintainability of the operating environment by organizing unnecessary code, repositories, AWS cloud resources, and internal documentation.

Github AWS MongoDB Notion

Reduced API response time

- Reduced response time of translation API from 3 minutes to within 8 seconds by identifying and removing unnecessary logic
- AI model serving server (FastAPI) optimization through instance type cost/performance comparison + INT8 quantization experiments: 24s → 4s
- Found that morphological analyzer (mecab) was using cold start → changed to hot start approach
- Changed text embedding from parallel processing → batch processing after checking server specs, reducing time by ~3 seconds

Performance Optimization

Newly developed PPT file text rewriting feature

- Analyzed ECMA-376 Office Open XML file formats documentation
- Analyzed internal structure of pptx-automizer library
- Confirmed that duplicate elementId (name element of <p:cNvPr> tag) cannot be modified in the library
- Added logic to enable multi-element modifications

Python Architecture Performance

Implemented AI model serving server

- Improved maintainability by analyzing structural issues and refactoring code structure based on modularization and layered architecture to address increasing complexity due to feature expansion in single API-based service
- Improved operational efficiency by optimizing Docker Compose
- + ECR environment to minimize image build and deployment time.

Figma TypeScript



Withuscpa

February 2025 - March 2025

Tax accounting SaaS 'WATT' provider

Tax accounting SaaS backend development

Implemented and modularized business logic reflecting various calculation rules (deduction items, ratio calculations, amount range conditions, etc.).

Nest.js

TypeScript



Megapress Inc.

April 2023 - January 2025

Shopping platform providing online design ordering and printing services for business cards, stickers, flyers, photo cards, and other printed materials

NestJS Migration

Migrated from Express to NestJS to improve standardized development environment and maintainability. Applied hexagonal architecture.

NestJS

Express

Architecture

Monorepo Setup

Integrated Next.js frontend and NestJS backend repositories, which were previously separated into multiple repos, into a Turborepo + pnpm-based monorepo to establish a common module reuse system, eliminate duplicate code, and improve overall development productivity.

Turborepo

pnpm

Monorepo

Load Testing and Performance Verification

Checked service stability through load testing with ngrinder.

ngrinder

Performance Testing

AWS Infrastructure Management

Managed AWS infrastructure including EC2 monitoring and new site domain setup.

AWS

EC2

Infrastructure



On-site fitting room reservation service (outsourced development)

Backend Server Development

Developed backend server with Python/Django, handled REST API with DRF, implemented login and reservation-related CRUD. Improved customer convenience with SmartStore crawling.

Python

Django

DRF

Web Scraping

Flutter App Development

Developed cross-platform app with Flutter, managed state with Provider package, applied MVVM design pattern.

Flutter

Provider

MVVM

Admin Page Development

Developed admin page with Next.js.

Next.js

React