

# 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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## 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

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

# Work Experience



Eeboon Inc.     March 2025 - October 2025

**AI-based UX writing automation platform for major financial institutions including NH, Samsung, and Hanwha.**

## 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

Nest.js   FastApi   React   AWS   CI/CD   Docker   styled-components   antd  
Figma plugin

## 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

openXml   typeScript   Nest.js   FastApi   Python   Performance Optimization

## 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.

FastApi   Python   Docker   AWS ECR   Architecture



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



Bymisslim September 2024 - November 2025

### 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 Crawling

#### 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



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