

# RESUME

Backend / Data Engineer | DevOps | AI Service Builder

<b>Name</b>	Woon Jang
<b>Portfolio</b>	<a href="https://woonjang.dev">https://woonjang.dev</a>
<b>Specialization</b>	Python (FastAPI) backend · Data Engineering · DevOps · AI / LLM integration

## Project Experience Summary

- Python/FastAPI backend API design and operations for 5+ years (Django/Flask/FastAPI all in production)
- Integrated operations of RDB / NoSQL / time-series DBs: PostgreSQL, MariaDB, InfluxDB (TSDB)
- Container and automation pipelines on Docker, Kubernetes, Jenkins/GitLab CI/CD, Git
- Airflow-based data pipelines, ETL scheduling, time-series ingestion and processing
- Daily use of Claude Code and GPT (Codex) API; building and operating LLM-integrated services

## Career Summary

A full-cycle engineer with over 5 years of experience in Python-based backend, data engineering, and DevOps. Consistently delivered REST API design with FastAPI/Django/Flask, operations of PostgreSQL/time-series DB/message queues, Docker/K8s container environments, and Jenkins/GitLab CI/CD automation pipelines.

Recently planning, developing, and operating ETL/data processing pipelines on Airflow combined with LLMs (Claude Code, GPT/Codex API). Led SLA, deployment pipelines, and infrastructure standardization as PM for AI Data Center cloud operations. Strong in environments where SI and SM are mixed — owning the full cycle from requirements to stable operations.

## Core Competencies

- **Backend API:** REST API design/development/operations on Python (FastAPI/Django/Flask), Spring Boot integration, OpenAPI/Swagger documentation
- **Database:** Schema design and query tuning on PostgreSQL/MariaDB/MySQL/Oracle SQL, time-series processing on InfluxDB (TSDB), MongoDB/Redis cache and session operations
- **Data Pipeline:** Airflow DAG-based ETL scheduling, unstructured data extraction/cleansing/loading, LLM-integrated data processing pipelines
- **DevOps / Infra:** Docker/Kubernetes container build and operations, Jenkins/GitLab CI/CD build/test/deploy automation, Nginx/AWS/NHN Cloud infrastructure operations
- **AI Coding Tools / LLM:** Daily use of Claude Code/GPT (Codex) API/Gemini API, LangChain-based RAG pipelines, VectorDB, local LLM (LLaMA) integration
- **Source Control / Collaboration:** Git/GitLab/GitHub branching strategy, code review, issue tracking, release notes

## Project Experience

**Project Overview**

Led overall operations of AI Data Center cloud infrastructure. In a mixed SI (new build) and SM (steady-state) environment, drove operational standardization, automation, and SLA improvements.

**Key Work**

- Defined operational processes across AI Data Center cloud infrastructure and led the operations team
- Standardized service deployment pipelines on Docker/Kubernetes containers (Jenkins CI/CD)
- Git-based IaC and configuration management; embedded change-management and release processes
- Defined operational monitoring metrics, continuously improved SLA stability, maintained incident-response runbooks
- Project schedule, resource, and risk management; stakeholder communication

**Stack:** Kubernetes, Docker, Jenkins, Git, Linux, Nginx, Python, Bash, monitoring stack

**Smile Bonggu — LLM-Based Data Processing Service (Solo dev/ops)**

2024.02 ~ 2025.03 (1 year 2 months)

**Project Overview**

Solo full-cycle execution from planning through operations of a SaaS data-processing service that converts unstructured data into product data using GPT/Claude API and LangChain.

**Key Work**

- Designed and implemented FastAPI REST API backend (auth, async processing, job queue integration)
- Built a converter on GPT API/LangChain that turns unstructured text into structured product data
- Airflow-style scheduled jobs for batch processing of large data and automated result loading
- PostgreSQL schema design and index tuning; payment/order data integrity management
- Docker container-based deployment, GitHub Actions / Jenkins-style CI workflows
- Used Claude Code and GPT (Codex) and other AI coding tools daily

**Stack:** Python, FastAPI, PostgreSQL, Redis, Docker, GPT/Claude API, LangChain, Git

**GymBros Co., Ltd. — EV Charging/Battery Solution Backend / DevOps**

2022.09 ~ 2024.01 (1 year 5 months)

**Project Overview**

Built backend and DevOps pipelines that collect, store, and serve EV operation/charging/battery data. Data engineering work in a mixed SI (new module development) and SM (continuous operations) environment.

**Key Work**

- Designed/developed/operated REST APIs on Python (Django · Flask)
- Built EV operation/charging data ingestion/storage/API services on InfluxDB (time-series DB)
- Master/transactional data modeling and query tuning on MariaDB / PostgreSQL
- Operated ETL pipelines for data ingestion/aggregation/reporting on Airflow scheduling
- Docker containerization and GitLab CI/CD build/test/deploy automation
- AWS · NHN Cloud infrastructure build/operations, Nginx reverse-proxy / load-balancing
- Built real-time monitoring dashboards on Grafana, interactive UI on React/WebGL

**Stack:** Python, Django, Flask, FastAPI, PostgreSQL, MariaDB, InfluxDB, Docker, GitLab CI/CD, AWS, NHN Cloud, Grafana, Airflow, Git

**Key Work**

- Linux/CentOS server build and operations management; data analytics system operations and maintenance
- Docker/Kubernetes container environment build, management, operations
- PaaS/IaaS cloud-based service operations

**Stack:** Linux/CentOS, Docker, Kubernetes, PaaS/IaaS, Git

**Key Work**

- Linux/Redhat server operations and maintenance, admin system operations
- Cloud container service operations

**Stack:** Linux/Redhat, Container, Cloud

**Tech Stack****Backend / API**

Python	FastAPI	Django	Flask
Spring Boot integration	Java	Node.js	REST API / OpenAPI

**Database**

PostgreSQL	Oracle SQL	MariaDB / MySQL	InfluxDB (TSDB)
MongoDB	Redis	MyBatis	Query Tuning / Modeling

**Data Engineering**

Airflow	ETL Pipeline	Unstructured → Structured	Scheduling / Batch
Crawling / Image Processing	Data Integrity	Time-Series Data	Dashboard Visualization

**Infra / DevOps**

Docker	Kubernetes	Jenkins	GitLab CI/CD
Git / GitHub / GitLab	Nginx	AWS / NHN Cloud	Linux (Ubuntu/CentOS/Redhat)

**AI / LLM / Coding Tools**

Claude Code	GPT API (Codex)	Gemini API	LangChain
RAG / VectorDB	GraphDB	LLaMA (Local LLM)	PyTorch

**Frontend**

React	Vue.js	Next.js	JavaScript / HTML / CSS
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*I confirm that all information in this resume is true.*