Joonghyuk Seong

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Projects

JobMatch - AI Resume Analyser
Personal Project | Mid 2025
- Developed a full-stack SaaS application that analyses the compatibility between resumes and job postings using AI
- Python, FastAPI, Next.js, TypeScript, Gemini API

AI-Powered Product Recommendation System
Personal Project | Mid 2023 - Mid 2025
- Scraped product recommendation requests from Korean online communities and provided AI-generated product recommendations with affiliate links through blog posts and comments
- Generated KRW 160M in sales and KRW 3.6M in revenue through Coupang Partners, and USD 2,500 in revenue through AliExpress Affiliate
- Python, aiohttp, lxml, Gemini API, Mongo DB

Vehicle Licence Plate Detection System
Team Project | Late 2024
- Trained and implemented a YOLOv11-based model for licence plate detection, achieving 81.2% mAP50 and 84.1% precision through sophisticated optimisation techniques that ensure robust performance across various lighting conditions.
- Python, OpenCV, YOLOv11, PyTorch

EWB Electricity Metres
Team Project | Late 2024
- Developed backend features for electricity monitoring solution with EWB while implementing comprehensive unit testing that achieved 92.3% function coverage using agile methodologies.
- MongoDB, Express.js, React, Node.js, Jest

Experience

Pre-Uni New College
AI Product & Process Lead | Mar 2025 – Current
- Acted as the key product liaison for the company's AI transformation project, bridging the gap between the Director's vision, a remote development team in Vietnam, and end-users.
- Drove the adoption of a new AI-powered content generation system by creating training materials and providing hands-on guidance to the 14-person content creation team.
- Managed the end-to-end quality assurance cycle: identified system requirements, reported bugs, and provided critical user feedback to the development team, contributing to a solution that increased efficiency by over 10x.
- Supervised the day-to-day operations of a distributed team of 24 staff members (Vietnam & India), ensuring project goals were met during and after the AI transition.

Education

University of Technology Sydney (UTS)
Feb 2019 – Dec 2024
B.S.
in Information Technology
Enterprise Systems Development
- Completed 21 months of mandatory service
(Republic of Korea)
during the course.
GPA: 6.38/7.00
WAM: 84.12/100
Dean's List (2022, 2025)

Skills

Python
JavaScript
TypeScript
Node.js
FastAPI
React
Next.js
MongoDB
Django
C++
HTML
CSS
PostgreSQL
MySQL
Git
Jira
Confluence
AWS

Certifications

Linux Master Level 2