

# Gwanho Kim

Daegu, South Korea

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## PERSONAL PROFILE

Backend Developer with a strong foundation in computer science and experience in developing web services and applications. Currently leading a project Paxi, a carpooling service for POSTECH students, as a leader and backend developer using NestJS. Eager to leverage backend expertise to optimize and integrate applications into cloud environments.

## WORK EXPERIENCE

### Shift Up | Server Engineer Intern

Jun 2025 - Aug 2025

- Working on the server team for **Goddess of Victory: Nikke**
- Developed automation server patch slack bot using Slack Deno SDK
- Minigame archiving

### OMNIA Lab | Research Intern

Jan 2025 - Jun 2025

- Conducting research on distributed systems, focusing on unified caching systems at the cluster level, which improved data retrieval efficiency

### PoApper | Student Developer

Dec 2023 - Present

- Developed POSTECH's facility reservation web service, enhancing user accessibility and streamlining booking processes
- Developed the mobile version of the reservation service, improving user convenience and expanding service reach
- Currently leading the Paxi project as a backend developer with NestJS, a carpooling service to address the costly taxi issue from Pohang Station to POSTECH, which will enhance transportation affordability and increased service adoption

### TimePercent | Backend Developer Intern

Jun 2023 - Aug 2023

- Developed an admin dashboard using FastAPI to help administrators efficiently track user activity, improving monitoring efficiency
- Built an end-to-end web application using FastAPI and Jinja2, enhancing user experience and streamlining backend processes

## EDUCATION

### Pohang University of Science and Technology (POSTECH)

Feb 2019 - Feb 2026

B.S., Computer Science and Engineering (GPA: 4.02/4.3)

Pohang

### Pohang University of Science and Technology (POSTECH)

Feb 2019 - Feb 2026

Minor, Industrial Management and Engineering (GPA: 3.75/4.3)

Pohang

### University of California, Berkeley

Aug 2024 - Dec 2024

Letter and Science (GPA: 3.85/4.3)

Berkeley, CA

- **Coursework:** Computer Security

## SKILLS

- **Backend Development:** NestJS, FastAPI, .NET
- **CI/CD:** Github Action, Docker, Docker Swarm
- **Problem Solving:** Baekjoon, Korean LeetCode, Platinum(top 3%)
- **Computer Science Fundamentals:** Computer Architecture, Operating Systems, Software Design Principles, Computer Security, Computer Networks, Database Systems, Algorithms, Data Structures, Artificial Intelligence

## CERTIFICATIONS

- **AWS Certified Cloud Practitioner:** Achieved Aug 2024

## AWARDS

- **3rd Place:** POSTECH Programming Contest | Apr 2024
- **2nd Place:** Blackout Hackathon, Gbike Category | Jan 2025

## LANGUAGES

- English (Professional working proficiency (TOEFL iBT 97 | Achieved Feb 2024))

## Extracurricular

### The Republic of Korea's Army

Jul 2021 - Jan 2023

Compulsory military training as per the regulations of the South Korean Government

- Unit Supply Sergeant