

# Yunho Kee

## OBJECTIVE

To design [feasible](#) systems and fill in the gaps in reusable software by leveraging the principles of computer science

## SKILLS

Java | Spring Framework | Python | Django REST Framework | FastAPI | JavaScript | Apache Airflow | Celery | Amazon DynamoDB | PostgreSQL | Oracle | GitHub Action | Maven | Terraform Cloud | AWS IAM | SSH Tunneling

## WORK EXPERIENCE

Backend Developer	<a href="#">Haezoom</a>	Seoul, South Korea	1 yr	9 mos	12/2022 - 08/2024
Solar Power Forecasting System Enhancement (50k+ daily transactions)					
<ul style="list-style-type: none"><li>Fixed the algorithm with leakage, boundary errors, invalid cache, and timezone bugs (<a href="#">open source contribution</a>)</li><li>Fulfilled <b>24x more frequent</b> requests, reducing processing time from 3 hours to 2 minutes (<b>90x faster</b>) through chunking, file compression, tensor transposition, and preprocessing (AWS Fargate, NumPy, netCDF4, SciPy)</li><li>Optimized coordinate transformation by reverse engineering (<b>47 s → 14 μs, float32 → float64, 99.55% → 100%</b>)</li><li>Polled asynchronous inputs using non-blocking read-through caching and two-pointer techniques (Apache Airflow)</li><li>Customized <b>serializers</b> to respond in the requested <b>timezone</b> and <b>autofill</b> periods (Django REST Framework)</li><li>Integrated third-party APIs for consistent geocoding, reverse geocoding, and address search (FastAPI)</li></ul>					
Settlement System Development (10k+ daily inserts)					
<ul style="list-style-type: none"><li>Utilized <a href="#">primitive floating-point numbers</a> instead of <b>decimal</b> objects, testing accuracy against <a href="#">online judge data</a></li><li>Modeled formulas as directed acyclic graphs (<b>DAGs</b>) loaded by reflection and evaluated asynchronously (Celery)</li><li>Stored results as <b>segment trees</b> with <b>soft delete</b>, <b>partial indexes</b>, and <b>covering indexes</b> (PostgreSQL)</li><li>Customized <b>filters</b> to set the default <b>timezone</b> and <b>autocomplete</b> periods from dates (Django REST Framework)</li></ul>					
Cloud Security System Development (RBAC, ABAC, Terraform Cloud, AWS IAM)					
<ul style="list-style-type: none"><li>Managed just-in-time access using <b>roles</b>, break-glass access via <b>tags</b>, and network infrastructure as code (<b>IaC</b>)</li></ul>					
DevOps Engineer	<a href="#">MidasIn</a>	Pangyo, South Korea		5 mos	05/2022 - 09/2022
<ul style="list-style-type: none"><li>Developed a <b>cross-account</b> AWS user management system with <b>observability</b> (Spring Boot, Fluent Bit, Datadog)</li></ul>					
Software Developer	Republic of Korea Navy	South Korea	1 yr	8 mos	06/2020 - 02/2022
<ul style="list-style-type: none"><li>Developed an <b>internet-based</b> <a href="#">grievance service</a> and <b>intranet</b> services for educational assessment (<a href="#">exceptional award</a>), mental health assessment, and attendance management, fixing <a href="#">missing rows</a> (Spring Framework, Oracle)</li></ul>					

## PROJECTS

<a href="#">LeetCode Daily Google Sheets Apps Script</a> (JavaScript, GraphQL)	1 mo	01/2025 - 02/2025
<ul style="list-style-type: none"><li>Replaced individual uploads with periodic <a href="#">crawling</a>, and an optional Chrome extension with a <b>bookmarklet</b> script</li></ul>		
<a href="#">Woowacourse Java Format</a> (Java, Gradle, Maven, GitHub Actions)	2 mos	10/2024 - 11/2024
<ul style="list-style-type: none"><li>Deployed IDE plugins (IntelliJ, Eclipse), <b>cross-platform</b> binaries (macOS, Linux, Windows), and to <a href="#">Maven Central</a></li></ul>		
<a href="#">WICWIU</a> (C++, CUDA, cuDNN, CNN, Batch Normalization, ReLU, Sigmoid)	10 mos	07/2017 - 05/2018
<ul style="list-style-type: none"><li>Released the <b>first</b> <a href="#">open-source</a> deep learning framework among Korean universities (<a href="#">outstanding paper award</a>)</li></ul>		

## CONTRIBUTIONS

[Quarto](#) (PowerShell), [Posit](#) (RStudio Inc) | [pylib python](#), [Sandia \(SNL\)](#) | [Static JIRA issue export](#) (PHP), [Netresearch](#) | [Python Polylith Example](#) (Serverless Framework) | [Course: GitHub Pages](#), 61.8k ([42k+19.8k](#)) repositories (Jekyll)

## EDUCATION

B.S. in Computer Science and Engineering ( <a href="#">Seoul Accord</a> recognized program), GPA 3.95/4.5 ( <b>Cum Laude</b> )			
<a href="#">Handong Global University</a>	Pohang, South Korea	5 yrs	03/2015 - 02/2020
<ul style="list-style-type: none"><li>2019 ACM-ICPC Seoul Regional <a href="#">Finalist</a></li><li><b>Teaching Assistant:</b> ICT Problem Solving (Spring 2019), Computer Architecture and Organization (Fall 2018), Algorithms Analysis (Spring 2018), C Programming Lab (Fall 2017), C Programming (CSEE) (Summer 2017)</li></ul>			

## CERTIFICATIONS

Engineer Information Processing			
<a href="#">National Technical Qualification</a>	South Korea	-	08/2021