

Tae Jin Park

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Work Eligibility | U.S. Citizen

Experiences

Software Engineer, Engineering Productivity @ Google

2020 - 2024

- Designed and built infrastructure health dashboards tracking Test Result Availability, Iteration Pass Rate, and Test Runtime as P0 metrics, enabling platform leadership to conduct data-driven reviews and detect reliability regressions – recognized with a promotion from L3 to L4.
- Automated bug collection and built an actionability measurement dashboard, reducing a PM's weekly triage workload from ~2 days to 1 hour and enabling data-driven bug prioritization.
- Reduced P90 latency of a test analytics dashboard from ~60s to ~0.18s by diagnosing a complex Spanner-Appengine loop, directly improving the speed of build-over-build regression analysis for 100+ weekly users.
- Built a reusable API caching framework that reduced query latency by ~95%, enabling near-instant access to test results and metric aggregations that previously required multi-second waits.
- Designed a unified test data ingestion pipeline using Cloud PubSub, abstracting away per-runner integration and enabling automated data validation and preprocessing for downstream analytics.
- Improved deployment workflow for a multi-instance GCP application, including deployment script automation, configuration management, access control, and a development API mode for local frontend testing.
- Reduced GCP infrastructure costs by 24% through resource cleanup, query optimization, and caching improvements.

Software Engineer, Backend @ Wonderlust

2015 - 2016

Wonderlust Inc. is a South Korean Startup, a mobile rewards platform exchanging screen-lock ads for user incentives.

- Built and owned the entire backend infrastructure as the only backend engineer, designing API specs and developing REST API server managing the advertisement platform using Flask and MariaDB.
- Collaborated with T-money (Korean public transportation e-card) to build a protocol for virtual currency exchange transaction.

Certifications & Honors

OSCP+ / OSCP / OSWP

2025

Samsung SuperRookie Membership

2012 - 2015

Education

Doctoral Coursework, Yonsei University, South Korea – IT Integrated Technology

2019

Bachelor of Engineering, Yonsei University, South Korea – IT Integrated Technology

2016

Research Project

C. Elegans EM (Electron Microscope) Image Segmentation using U-Net

2019

HAR (Human Activity Recognition) using Random Forest Decision Tree and DNNs

2018

Skills

- Languages: Python, Go, C, SQL
- Infrastructure: Google Cloud Platform (Appengine, Cloud Spanner, Cloud Functions, Pub/Sub, Task Queue, Redis)
- DevProd: Test Infrastructure, CI/CD, Deployment automation, metrics dashboards, observability, SLO measurement
- Practices: Toil reduction, data pipeline design, performance profiling, incident response, configuration management
- Working Knowledge: Java, Typescript, Docker, K8s, Terraform, Distributed System, AWS, AI tooling, Developer Tooling, Angular, React
- Communication: English (Professional) | Korean (Native) | Japanese (JLPT N1)