SUHUN KWON

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Study and develop tech to make a business impact.
But also focus on low-level details to avoid pitfalls of leaky abstraction.

Technical Skills

- PL
  - C/C++ : socket programming, parallelism, concurrency programming, makefile, CMake
  - javascript/typescript : express, react, redux, styled-components, gulp, storybook, webpack, svgr
  - python : ruff, poetry, pandas, numpy, scikit-learn, fastapi, uvloop, sqlalchemy, mypy, isort
- Infra
  - Database : postgresql, mongodb, sqlite, redis
  - OS, virtualization: linux, containerization(mainly docker)
  - server components : nginx, let's encrpyt, cfssl
  - observability : linux performance metrics
  - performance : flamegraph
  - cloud native : k8s
  - aws : vpc, ec2, s3, cloudfront, route53, lambda
  - gcp : cloud run, bigquery
- etc
  - shell scripts and tools : bash
  - mark up language: latex, typst, html
  - git, git hook, pre-commit, husky, lint-staged

Career Experience

Bisuness Cavas   development dept
Software Engineer   2021.09-2023.02
- DataOps
  - Operated a proxy server for collecting clickstream data
  - Architected and managed servers for data processing and computing business metrics
- Web client
  - Removed legacy bundle code (Neutrino) and rewrote it using Webpack, thereby enhancing DX (Development Experience)
  - Progressively migrated to TypeScript, replacing about 80% of the code
  - Developed and deployed a design system using Storybook, Rollup, and SVGR (npm link)

Education

Naver Connect Foundation   Seoul, South Korea
boostcamp AI Tech, Recommender System   2023.03-2023.08

Seoul National University   Seoul, South Korea
B.S in Venture Business Management & Korean literature   2014.03-2022.09

Personal Projects

2d game engine : ECS pattern based event driven game engine core
- C++, SDL2, lua(binding)
- https://github.com/DarrenKwonDev/simple_2d_game_engine

redis-like server : redis-like server implementation
- C/C++, poll multiplexing base event loop
- https://github.com/DarrenKwonDev/redis-like

ko-fuzzy : korean consonant matching, and fuzzy search
- korean regex, tsup, typescript
- https://github.com/DarrenKwonDev/ko-fuzzy

style-journey : personalize fashion recommendation service
- fastapi, docker, airflow, nginx, postgresql, s3
- https://github.com/Lv2-Recsys-01/styl-backend

other trivial projects
- fuze : one on one english tutor matching service
  - react, react-spring, s3
- cineps : cinephiles web community
  - Next.js, nginx, express, mongodb
- edu-popkorn : korean learning app by video clips
  - flutter

Other Experiences

- Graduated from the PSWC Accelerating Program by the Korea Venture Business Association
- Successfully completed the government-supported Preliminary Startup Package program with distinction
- Provided advisory support and was successfully accepted into the TIPS (Tech Incubator Program for Startup)
- SQLD (SQL Developer) certification