Dean Sanghyuk Seo

An adaptable and self-motivated team player with a strong intuitive sense who can quickly grasp complex systems and efficiently manage tasks independently while proactively identifying and resolving challenges.

SUMMARY OF SKILLS

- Understanding C++ templates such as SFINAE, value categories, and concepts.
- Being aware of subtle memory reordering issues with atomic operations.
- Writing code for both Linux, Mac, and Windows.
- Debugging programs with LLDB/GDB in Linux comfortably.
- Troubleshooting ABI issues and symbol visibility problems.
- Experienced the ef_vi APIs to use 7000x and 8000x Solarflare cards.
- Setting the CI/CD environment by utilizing containerization with Podman/Docker.
- Proficiency in Git by knowing what cherry-pick and fast-forwarded merges do.
- Using advanced features in documentation tools to publish well-formed pages.
- Enjoying helping DevOps-y tasks with SaltStack, GitLab CI/CD, and Elasticsearch.

WORK EXPERIENCE

Squarepoint Capital, Singapore — *Software Engineer*

2022.07 ~ Current

- Developed on latency-critical applications for international securities exchanges
- Onboarded Chinese derivative markets in Hong Kong and China

Ingensoma, Singapore — *Software Engineer*

2018.12 ~ 2022.03

- Worked on packet capture infrastructure with Metamako and FMADIO
- Wrote trading platform for KOSPI200 Options against Eurex T7 and CME
- Helped DevOps's automation for scaling out VM instances with SaltStack

Samsung Electronics, Seoul, South Korea — *Contractor*

2018.08 ~ 2018.11

- Developed semiconductor control applications using Qt/C++ in Linux

Agoda, Bangkok, Thailand — *Software Engineer*

2017.03 - 2018.06

- Created and distributed Docker images of our apps in Windows
- Implemented and deployed common class libraries in .NET through Teamcity

QMC, Anyang, South Korea — *Software Engineer*

2015.04 - 2016.09

- Developed laser controller applications in C++11/14
- Wrote sequence scripts in Lua, using an open-source project, Sol v2.

Snowpipe, Seoul, South Korea — *Server Programmer*

2014.11 - 2015.02

- Built mobile game's asynchronous servers as a contractor

Winforsys, Yongin, South Korea — *Software Engineer*

2011.10 - 2014.07

- Implemented controller applications on MFC and COM libraries for P/Invoke

Contact

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ONLINE PROFILES

🏠 deanseo.github.io/trada
⭕ linkedin.com/in/dean-seo
📄 stackoverflow/dean-seo

Languages

C++20

Bash

Emacs Lisp

Python

CMake Scripting

EDUCATION

Credit Bank National Institute for Lifelong Education(NILE)
Computer Engineering

2017.08

Shingu College, Seongnam, South Korea
Computer Engineering

2012.02

Tools

Git, Teamcity, Jira, Confluence, Docker, Podman, Ninja, Emacs, clang-tidy, LLDB, SaltStack, Kibana, GitLab CI/CD, Bamboo

PROJECTS

The Seoul OpenAPI, the Seoul Metropolitan Government

2015.01 - 2016.12

LANGUAGES

Korean - Native
English - Very Fluent