Young Hyun Yoo

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SUMMARY

An all-around player with extensive experience in various fields. Expert in web server back-end development, particularly in the billing domain, but also proficient as a web front-end developer using React with JSX or TypeScript. Recently completed a full-time master's degree in natural language processing, fully funded with preferential treatment from Samsung Electronics. Previously developed bootloader and device driver as a system engineer in the BSP team.

PROGRAMMING SKILLS

- **Languages**: Java, SQL, Shell script, Terraform HCL, Javascript (+ JSX, Typescript), HTML/CSS, Python, C/C++

- **Tools**: Spring (MVC, WebFlux, JPA, Security), AWS, Docker, SoapUI, MySQL, React, PyTorch, HuggingFace

- **Others**: RESTful API, HTTP, TLS, Oauth 2.0, OOP/OOAD/DDD, Clean coding, TDD, Agile development (XP & Scrum), PCI‑DSS (+ 3DS2), Device driver, Jira/Confluence, Git/SVN

EXPERIENCE

- **TV Plus development — Samsung Electronics Co., Ltd.** — Suwon, Korea
  Staff Engineer — *Mar 2024 – Present*
  - Led CMS development (2024 – Present)

- **SRL methodology development — Hanyang University** — Seoul, Korea
  Researcher — *June 2022 – Feb 2024*
  - Analyze and develop efficient methodologies for learning high-quality sentence representations based on large-scale language models: Used PyTorch, HuggingFace

- **Billing development — Samsung Electronics Co., Ltd.** — Suwon, Korea
  Engineer — *Nov 2016 – March 2022*
  - Led CP portal redevelopment: Used React, Spring MVC, Spring Boot, JPA (2020 – 2022)
  - Developed DSA agreement (2021)
  - Developed subscription product change for active subscription (2021)
  - Implemented 3DS2 respond to EU PSD2 law regulations (2020)
  - Developed remote login to Samsung Smart TV using smartphone (2020)
  - Developed integration test framework: Used SoapUI, Groovy (2019)
  - Migrate buyer portal from monolithic to MSA: Used AWS ECS, Terraform HCL (2019)
  - Led buyer portal redevelopment: Used React, Spring Boot, JPA (2018)

- **BSP development — Samsung Electronics Co., Ltd.** — Suwon, Korea
  Engineer — *Feb 2015 – Nov 2016*
  - Port ramdump feature to Samsung Smart TV Kernel (2016)
    - Contributed to kexec-tools utility (https://bit.ly/3yG44df)

EDUCATION

- **Hanyang University** — Seoul, Korea
  Master of Science in Computer Science; GPA: 4.06/4.5 — *Mar 2022 – Feb 2024*

- **Hongik University** — Seoul, Korea
  Bachelor of Science in Computer Engineering; GPA: 3.5/4.5 — *Mar 2008 – Feb 2015*

PUBLICATIONS

- **Young Hyun Yoo**, Kyumin Lee, Minjin Jeon, Jii Cha, Kangsan Kim, and Taeuk Kim, Comparison and Analysis of Unsupervised Contrastive Learning Approaches for Korean Sentence Representations, *The 34th Annual Conference on Human and Cognitive Language Technology* (**HCLT 2022**).

ADDITIONAL INFORMATION

- Languages: English (professional working proficiency), Korean (native)

- Achievements: Excellent S/W Developer Award (2022, every half year, ∼500 employees)

(Last update: 22/Feb/2024)