Ahn Heejong

I fear less, challenge often, and learn fast.

+82 10-6679-6756

heejongahn@gmail.com

http://ahnheejong.name

I have two main focus as an engineer:

» **Smoothly bridging the gap between the code and design**

» **Programming languages adopting practical and powerful type system**

Interest

» Making beautiful and usable things with robust and readable code.

» Building challenging, open team where good people gets even better.

» Improving by cooperation, not competition; **open source spirit!**

Eductation

KAIST

2013 March - Present

Pursuing **B.A. at School Of Computing** (GPA Total 3.62/4.3, Major 3.79/4.3)

Currently on a break to do a alternative military service

Gyeonggi Science High School

2010 March - 2013 February

A student president

Experience

Programmer, Spoqa

January 2017 - Present

Spoqa provides various B2B solutions to help local and brand stores' customer management.

Q1 (January 2017 - March 2017)

Being one of two programmers of the team, **took charge of the frontend side** of the latest product of Spoqa, Dodo Manager.

- » **Implemented SPA from scratch** modern web technologies such as React.js, Redux and the latest features of ECMAScript.
- » **Weaved responsive layout** with heavy use of flexbox, which works well in various environments including CEF, tablet, and web browser.

Q2 (April 2017 - June 2017)

For the second quarter, the team migrated improve version of Dodo Message, a message based marketing platform into Dodo Manager.

- » Implemented 'Message' part of the app, which includes **multi-step message writing form** and **simple dashboard for marketing result analysis**.
- » Made **challenging UI components** like a small text editor with auto input button, slide-based range selector and so on.

Q3 (July 2017 - Present)

To official launch the product, the team focuses on making the app more robust.

- » **Replace entire codebase** using Facebook's Flow with MS's Typescript for higher productivity and stability.
- » **Adapt automated e2e and unit testing environment** using Selenium, Mocha, and other testing libraries / frameworks.
- » Implement 'Analysis' part of the app, by providing **visualization of customer statistics** for the stores.

For Q3, I'm also **in charge of organizing the project timeline** of the team.

Skills

Modern Web Frontend

The borderline between code and design is my main playground. I enjoy implementing both performance-wise and aesthetic-wise solid product.

ECMAScript

» Experience up to ES8; solid understanding of core language

» Static Type Checking Typescript, Flow

Functional approaches on UI

» React.js (+ redux, react-router, ...)

» Vue.js

» Elm

Styling

» CSS (+ css-module)

» CSS Preprocessor SASS, Stylus

» PostCSS

Graphics and Interaction

» CSS transition / animation

» Three.js

» HTML5 Canvas

» SVG

Ecosystem

» Webpack

» Babel

» Package manager npm, yarn

» Linter eslint, tslint

Miscellaneous

» Static Site Generation Nuxt.js, Jekyll, Lektor

» Google Analytics

Programmers' Essentials

Though these skills are outside of my main interest, I have basic level of understanding on them as they're essential to any programmer.

- **VCS**: Using git since 2014 on a daily basis. For any project, my first command is always `git init`.
- **Server-side programming**: Python (Flask + SQLAlchemy), Node (express.js).
- **Theoretical CS background**: Knowledge of with widely used DS and basic algorithm.
- **System programming**: Have implemented minimal assembler, OS (PintOS) during undergraduate curriculum.
- **Server Administration**: UNIX-like environment, CLI utilities, AWS (EC2, S3, CloudFront, Route53).

Functional Programming

I've learnt lot of nice practices from **the principles of functional programming**. Whenever I confront interesting problems, these are my main toolbox to look at.

- **Favor composition over inheritance**.
- Utilize power of simple functions like `map`, `reduce`, and `filter`.
- **Control side effects**; Keep it referentially transparent whenever possible.
- **Using ADT** to enable precise data encoding.

Additional Information

Links

When I leave trails on the web, I try to do so with my identity revealed. I believe this policy helps me stay responsible.

» Personal blog : https://hjlog.me

» Github : https://github.com/heejongahn

» Twitter: twitter.com/heejongahn

» LinkedIn : https://linkedin.com/in/heejongahn

» Slideshare: https://www.slideshare.net/HeejongAhn/

» Medium: https://medium.com/@heejongahn

Miscellaneous

Some experiences which won't make me a superstar programmer yet I personally am proud of.

» In July 2014, I worked shortly at **the very first stage of a media startup**, Byline, in San Francisco. Though I couldn't contribute much and forgot almost everything I've learnt, it sure was fun and valuable startup experience.

» In June 2015, I participated to The Rust Programming Book Korean translation project. About that time, I also made **my first open-source contribution**: broken documentation link fix to Rust repository.

» In Fall 2016, I organized and led **Haskell Programming Language Study** in KAIST, using UPENN's CIS194 class materials. A dozen of students participated throughout the semester.