HYEON HONG

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PROFILE

I am a Full Stack developer with industry experience
dealing with internal data and back-end servers.
I also have working knowledge on building internal admin
websites and applications in React.
I specialize in JavaScript and have familiar experience with
building applications in Python.

EDUCATION

B.S. in Computer Science   2014 - 2017
University of Washington

SKILLS

Languages
JavaScript | Python

Libraries & Frameworks
React | Redux | Gatsby.js | Apollo GraphQL
Express.js | Puppeteer | Electron | Flask

DB
MySQL | PostgreSQL | MongoDB

CSS
Styled Components | Bootstrap | Material-UI

Dev Platforms
AWS Lambda | Firebase

Dev Tools
Webpack | Ansible | Docker | Git

WORK EXPERIENCE

☐ 한국어음중개   2018. 01 – 2019. 07
Software Engineer (Back End)
- Developed backend applications that connects to the outside
  modules (e.g. banking system)
- Developed and maintained the Google Sheets generator that
  works as a middleware between Google Apps Scripts and the
  internal server
- Developed microservice applications that handles specific jobs
  such as scraping websites

☐ University of Washington   2017. 03 – 2017. 08
Research Assistant
- Joined the professor Erdly's research project and worked in a
  team to develop a game therapy for children with disabilities
- Designed and implemented the Android 2D game in Unity, C#
- Followed Agile/Scrum methodology to improve the game by
  getting feedback from the professor and peers

RECENT PROJECTS   *CLICK TITLE TO VIEW REPO*

☐ Google Sheets Generator
- A web server built with Express.js to act as the middleware
  between the internal servers and users of Google Apps Scripts.
- It helps users of Google Sheets improve their productivity by
  abstracting away the complex logic that is handled in the
  internal servers.
- It also acts as a reporting server that processes the raw data
  from DB into meaningful information. Applications inside the
  internal servers frequently call this to retrieve the computed
  data.

☐ KN Bank Info Scraper
- An application built with puppeteer library that scrapes
  information from the banking website.
- When a client sends POST request to this server, it simulates
  logging in as a user on the website and reaches to several layers
  of pages and returns the retrieved data via JSON format.

☐ Loan Grade Generator
- A GUI application built on Electron that calculates the loan
  grade for potential customers who applied for the loan.

☐ System Monitoring Util
- It is a Python script that monitors the overall health of system in
  the internal servers such as memory and CPU usage.
- It is implemented with the Python's multiprocessing pool as a
  way to save execution time.