Hyunuk Lim

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Experience

Software Dev Engineer I Intern | *Amazon, Vancouver, BC, Canada*   Aug 2021 – present
- Working in AWS Observability team, contributing open-source projects such as **OpenTelemetry** and **Prometheus**.

Agile Developer Intern | *SAP, Vancouver, BC, Canada*   Sep 2019 – Apr 2020
- Built testing environment on **VMs in GCP** and conducted automated regression tests for SAP Cloud for Analytics.
- Monitored test results and investigated root cause analysis for regressions on response time and HTTP requests.
- Enhanced internal test tools and assets using **Python** to help the team's automated investigation workflows.
- Implemented **Jenkins pipeline** script using **Groovy** and **bash** to help to monitor hundreds of daily commits.

Teaching Assistant | *University of British Columbia, Vancouver, BC, Canada*   May 2019 – Jul 2021
- Led labs and office hours to answer questions about topics in **Data Structures and Algorithms** and **Software Construction** courses for **20+** students **10 hours/week**.
- Guided students to successfully complete **Java**, **C++,** and **Python** programming assignments and how to debug.
- Collected requirements and implemented assignments for the first-year integrated Science course in a team of 10 including four professors using PrairieLearn, an open-source online studying platform.

Game Designer | *LINE PLAY, Seoul, Korea*   Nov 2011 – Nov 2015
- Closely collaborated with developers to design in-game currency balance system and difficulty levels.
- Released Line Play and Brown Farm which are globally serviced and earned over **$1.2M per month**.

Projects

Search My Post | **github.com/hyunuk/searchMyPost**   Jul 2021 – present
- Building a React web app to search my post on Facebook by keyword using Facebook API.
- Implementing core features to provide simple linear search and full-text search using inverted index in Elasticsearch that is expected to be more than **10 times faster**.

SnackTrack | **snacktrack.herokuapp.com**   Jan 2021 – Apr 2021
- Built a snack purchasing web app that provides transactions and inventory management with a team of 8 people.
- Led backend developers to initialize the workflow, review the code of 100+ pull requests, and refactor the code to keep the code convention.
- Discussed with other leads to make critical decisions in terms of tech stacks, database schema, and API design.
- Implemented APIs to process user, transaction, and payment data between database and frontend, documenting their usage with appropriate error codes.

pik | **akhl.me**   Aug 2020 – Sep 2020
- Built a social media platform that provides a summary based on image analysis via **Google Cloud Vision API**.
- Parsed JSON from Google API to categorize images and implemented backend REST APIs through **NodeJS**.
- Stored images in **AWS S3** and handle authentication using **Google OAuth 2.0**.
- Enhanced image loading by 82% (90 to 16ms) after implementing lazy loading and image resizing.

Tetris: Find the Gem | **bit.ly/__Tetris**   Jan 2020 – Mar 2020
- Built the Tetris game in **Unity** and **C#** with the stage mode where user must clear gems to advance to the next level.
- Implement core features of the modern Tetris series: score, preview the next block, ghost, and hard drop.

Education

Bachelor of Computer Science, University of British Columbia, Year 4   Sep 2018 – Expected Dec 2022
- Achieving a 3.9 GPA on a 4.33 scale.
- **Relevant courses:** Data Structures and Algorithms, Software Engineering, Internet Computing, Distributed System.

Bachelor of Engineering, Sejong Cyber University   Mar 2001 – Feb 2008
- Achieved a 3.5 GPA on a 4.33 scale.