

Kyle Kim

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Skills & Tools

Skills: Python, Java, Spring, Groovy, Javascript, Express.js, Vue.js, React, HTML, CSS, Shell Script, MongoDB

Tools: Git, Docker, Maven, Gradle, Linux, UML, Jira,

Language: Korean (Fluent), English (Fluent)

Professional Experience

Modulus Data | Senior Technical Consultant / Software Developer

June 2020 – Current

As a **Senior Technical Consultant**, I utilize my technical expertise to help established businesses resolve their data consistency challenges. Throughout my professional journey, I have collaborated with more than 40 organizations, devising and implementing HR data transfer automation integrations to enhance their data management capabilities.

- Provide solutions to reduce manual data entry labor by upwards of 80% through automation of the data transfer process. Built over 40 Data Transfer integrations using **Groovy**, **SFTP**, **REST API** and **SOAP API** to effectively extract and transfer data between various human capital management systems including ADP, BambooHR, Workday.
- Actively communicate and problem-solve with over 40 well-established companies to provide custom solutions and streamline data transfer processes. Balance the workload and time between multiple clients in a fast-paced environment, consulting with an average of 5 clients across 3-month project periods.
- Research various APIs within the scope of the project. Routinely familiarize myself with the popular human capital management systems' API's capabilities and limitations to provide valuable insight and design effective solutions that are tailored to client's unique needs and challenges.

As a **Software Developer** at Modulus Data, I am responsible for delivering high-quality software solutions that seamlessly integrate with the company's iPaaS platform, "Modulus Studio." Leveraging my proficiency in Java and the Spring framework, I design and deploy applications with efficiency and ease within a fast-paced environment.

- Worked on the company's vital business platform Modulus Studio that is used by the company's technical consultants on a day to day basis and runs hundreds of data transfer integrations. Demonstrated technical proficiency and ability to develop reliable software solutions using **Java**, **Spring Boot Framework** and **Querkus**.
- Expertise in using **Docker** and **Linux** to deploy and manage applications.
- Hands-on experience in working with databases, including **SQL**, **MongoDB** and **Postgres**.
- Contributed to an Agile **Scrum** development team that utilizes Continuous Integration and Delivery pipelines, while demonstrating familiarity with key tools such as **Jira**, **Jenkins**, and **Bitbucket**.

EJ Pratt Library | Software Developer / Technical Support

Sept 2018 - June 2019

Working as a software developer in the library, I have designed and implemented software solutions that streamlined the work process within the library. Additionally I have demonstrated my expertise in IT by providing effective support to the library patron who faced technical challenges.

- Using **Python** and **PHP**, implemented a feature for the library website that allows users to search for text within PDF files. This feature returns the coordinates and page number of all instances of the searched text, as well as the paragraph that contains the text.
- Created an isolated testing environment using VirtualBox for the library's digital asset management system to safely test and apply the changes without affecting the published system.
- Provided personalized technical support to library visitors who were experiencing difficulties with the library's system.

IBM | Software Developer Intern

Sept 2014 - June 2015

During my time as a software development intern, I was able to showcase my skills as a full-stack developer. I have contributed to the company's internal testing platform by adding new features and improving its stability and efficiency.

- Worked on a micro-service architecture based application called DAM which is used to automate the testing and deployment of the MDM product using the user-configurable test scenarios.
- Implemented the backend of the application using **REST API**, **Java**, and **MongoDB**. Improved reliability and functionality of the backend.
- Worked on the frontend of the application using **VueJS** and **Node.js**. Improved the user experience and the functionality of the frontend of the application.
- Effectively communicated and collaborated with other colleagues as part of the SCRUM team

Side Projects

Cyricept Solutions

- Designed software solutions to address complex challenges in cardiovascular disease prediction and prevention.
- Conducted research to gain an understanding of the current state of the art in cardiovascular disease prediction and prevention, and utilized that knowledge to inform the development of our software products.
- Conducted usability testing and gathered user feedback to continually improve the user experience of our software products.
- Developed a hardware and software prototype that demonstrates the basic use-case and functionalities of the solutions

BANDROID

- Designed and implemented a web application utilizing REST APIs, MongoDB, and Express.js to enable users to seamlessly locate and purchase tickets for a wide range of musical events in their local area.

Mark Calculator

- Created an Android mobile application that streamlines the process of tracking and predicting students' academic performance by automatically calculating the scores needed to attain a specific target grade.

Education

University of Toronto BSc:

- Computer Science Specialist September 2015 – June 2020

Relevant courses

- Software design
- Probability with computer applications
- Software tools & System programming
- Introduction to databases
- Programming on the web
- Algorithm design & Analysis

Extra Curricular Activity

- Member of University of Toronto Computer Science Union
- Member of University of Toronto Robot Association