

Applying for Junior Engineer at your Company

Dear Hiring Manager,

I am applying for the Junior Engineer position for your company as advertised. I graduated from professional training at BCIT with a diploma in Computer Information Technology. I have an interest in software development, and I am looking for a position that will provide a challenge and a career job.

BCIT's intensive diploma program has provided me with industry-specific skills that can be applied immediately at your company. The program has included courses in CI/CD pipeline, agile project management methodologies, data analytics, cyber security, writing imperative bash scripts to provision service, and developing microservices and testing RESTful APIs. Although a majority of the work in these courses are completed independently, many labs and projects have a heavy focus on teamwork and collaboration.

There are 2 practicum experiences during the BCIT program, which were 15 weeks duration each practicum with weekly feedback from real clients, supervisors, or instructors. Under the agile methodology, the team and I built the software application, and in order for implementing the results, we went through discussed enough time clients' demands, technical support, technical issues, and possible solution. During the projects, I mainly took part in development support, error fixing, and application testing. As a result of that, I could get the knowledge of how it is important readable coding skills and the development process of what I need to do at each stage. In addition, most individual projects during the BCIT program have focused on SaaS environment. The final purpose of the project was to implement it as a service such as the backend, frontend, and database. In this environment, Docker, Ansible, and other cloud computing services were mainly used for it. I learned important interconnections between those such services. Overall, through my past experiences, I got an understanding of each service's process and got a strong concept of the development process.

Lastly, my previous work experiences have taught me the importance of team players with regard to the overall success of a team. This especially became apparent during my time in the army in South Korea as the officer had a lot of responsibilities to fulfill. I was required to carefully manage the unit of over a hundred soldiers, and with the cooperation of other departments I was successfully carried out the tasks and training. Good cooperation, teamwork, and leadership were the keys to accomplish my military life with great efficiency.

I appreciate your consideration and hope that my skills and experience align with your needs. And I look forward to any opportunity to show you how I can be of assistance in your company. I have attached my resume and would be happy to provide any additional information you might need, please contact me with my e-mail at ryancho.hakhyeon@gmail.com or phone call 604.349.8194 or you can check my information simply at <https://ryanchoportfolio.netlify.app/>.

Sincerely,
Ryan Hakhyeon Cho.

SKILLS

- **Programming languages:** Python, JavaScript, TypeScript, Bash, Groovy
- **Frontend / Backend:** React, Angular, Node.js, Express.js, Flask, JSON, Nginx
- **Database & Data Analysis:** MySQL, MongoDB, SQLite, Pandas, Matplotlib, NumPy, R, Excel
- **Cloud Computing:** Amazon AWS, Azure, Ansible, Docker, kubernetes, Vagrant
- **Other tools:** Jenkins, Jira, Windows & Web Server Admin, Agile Methodology, Troubleshooting
- Understanding of various sorting and searching algorithms in order to figure out the variety of cases.
- Passionate learner to continually improve, has a strong sense of ownership and accountability in where I am, and positive thinker to maintain an optimistic outlook to drive motivation and team morale.

WORK HISTORY

Singular Hearing, BCIT Practicum

Sep. 2021 - Dec. 2021

- A 5-sprint client project for BCIT, ISSP(Industry Sponsored Student Project) Practicum - [Demo](#)
- Tools: JavaScript, Linux-Anaconda, Git, Network
- Improved the back-end more robust by the port-specific and the web server such as Nginx.
- Developed features - Various modes selection, A progress bar when the audio file is denoised, Displayed each type of denoised audio result that is downloadable, and Display bar comparing them with the original file.

City Studio Vancouver, BCIT Practicum

Jan. 2021 - Apr. 2021

- A 5-sprint client project for BCIT, ISSP(Industry Sponsored Student Project) Practicum - [Demo](#)
- Tools: Python, APIs, JSON, Open Database, Excel
- Implemented a Python app that scrapes data from open data portals for benchmarking purpose.
- Automated the Benchmarking Metrics application to process collecting data from public API.
- Deployed the components to create a fully automated application for data extraction.

PROJECTS

The CI/CD Environment System Design and Microservices

Jan. 2021 - Dec. 2021

- Tools: Jenkins, Gitlab, Docker, kubernetes, Azure, Linux-Ubuntu, Python
- Designed the integration of the CI/CD environment system - Jenkins, Gitlab, Apache - on Azure Infrastructure.
- Leveraged cutting-edge tools such as Gitlab, Jenkins pipeline, Groovy.
- Implemented a common CI/CD environment in multiple projects which is completely separated.
- Built a microservices-based application in Python that each service is containerized.

Developing Application and Data Analysis

Sep. 2020 - Dec. 2021

- Designed object-oriented structure or MVC to develop an application such as audio library, and flash games.
- Scraping data from general websites by using crawling Python libraries - Selenium, BeautifulSoup.
- Visualized and determined the prediction from organized datasets - Pandas, Matplotlib, Tableau, and Excel.

CERTIFICATION

AWS Certified Cloud Practitioner Foundational Certification - Oct. 2023

[Badge Link](#)

FreeCodeCamp Certification - Scientific Computing & Data Analysis & Data Structures

EDUCATION

Computer Information Technology Diploma, British Columbia Institute of Technology - BCIT

- Major Courses: Object Oriented Programming, Database Systems, Linux System Administration, Applied Algorithms, Developing web applications - Frontend and Backend Developments, Enterprise System Integration - CI/CD Pipeline, Data Analytics, Provisioning - FullStack Developments, Service Based - microservices, Cloud Infrastructure Engineering.

Computer Software Development Bachelor, Semyung University, Korea(Republic of)