

# KHIEM DUY NGUYEN

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## SKILLS

Programming Syntaxes: JAVA, Python (reading and understanding), HTML, CSS, JavaScript, VBA;

Database and Analytics: SQL, MS Access, MS Excel;

Tools and Framework: Spring, Git, IntelliJ IDEA, MySQL.

## PROJECTS

### Spring Boot Project

Group project

Apr 2023 - Jul 2023

- Worked with Accounting department to further upgrade sales-monitoring system into detailed inventory-monitoring system;
- Developed a Spring-Boot MVC-Framework Application to replace prior MS Access Application, using MySQL for persistence;
- Deployed through AWS Elastic BeanStalk;
- Enabled perpetual inventory method for the firm, reduced at least 10% of wastage rate.

### Web-Novel Content-Copying App (github.com/kndiy/CopyWebNovel)

Personal project

Jun 2023 - Jun 2023

- Utilized libraries of Jsoup to parse and collect targeted webpage elements, and Apache Poi XWPF to read and write to MS Word documents with desired text formatting.

### SQL Project

Personal project

Feb 2022 - Mar 2022

- Migrated back-end database of prior MS Access application to MySQL on Server HPE Proliant DL60 Gen 9;
- Enabled remote-accessing to database.

### MS Access Project

Group project

Jan 2020 - Apr 2020

- Collaborated with Accounting department to devise voucher and reporting system appropriate to the company;
- Implemented sales monitoring application using MS Access;
- Effectively increased revenue of company by 15%.

## EXPERIENCE

### Research And Development Department, Daesan Vina Company Limited

Sep 2017 - Present

#### Department Manager

- Developed sales monitoring, account settling and related applications using MS Access, MySQL, JAVA;
- Created applications that allowed trading with customers that worked in exporting;
- Coordinated Accounting, Manufacturing, Purchasing, Outsourcing departments of the company in adopting new technologies, and resolving technical problems;
- Contributed new foreign purchasing sources that helps reduced material cost by 20%.

## EDUCATION

### Self-taught JAVA and Spring Boot

Feb 2023 - Present

Sierra, K., & Bates, B. (2005). *Head First JAVA: Your Brain on JAVA - A Learner's Guide (2nd ed.)*. O'Reilly Media

- Learned core Java; Obtained experience of creating programming schemes and basics of Java syntaxes.

Craig Walls (2019). *Spring in Action (5th ed.)*. Manning Publication Co.

- Understood and developed first Spring Boot Application.

StackOverflow: <https://stackoverflow.com>

- Learned how to seek and combine different Programming syntaxes, algorithm and data structures to reach desired results.

Hackerrank: <https://www.hackerrank.com/khiemnd9112>

- Applied data structures to solve problems:
  - Set: TreeSet, HashSet, LinkedHashSet, etc.,
  - Map: TreeMap, HashMap, LinkedHashMap, etc.,
  - Queue, Stack, Array,
  - List: LinkedList, ArrayList, BlockingList etc.,
  - Tries, Disjoint Set, etc.
- Obtained Hackerrank certifications:
  - SQL Intermediate,
  - Problem Solving Intermediate.
- Familiarized myself with algorithms:
  - Prism Minimum Spanning Tree,
  - Floyd Warshall Algorithm,
  - Dijkstra's Algorithm with TreeSet,
  - Aho-Corasick Algorithm,
  - Sieve of Eratosthenes, etc.

### Self-taught MS Access and MySQL

Jan 2020 - Mar 2022

#### University of Economics Ho Chi Minh City

Major: Accounting

May 2015 - Apr 2017

- Bachelor's degree; Classification: Very Good

#### HCMC University of Technology and Education

Major: Printing and Media

Sep 2009 - Sep 2013

- Bachelor's degree; Classification: Good