Phạm Minh Khoa

(Khoa MinHi)

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# Summary & Skills

**Back-end:**

* ***Nodejs***: **Expressjs**, Moleculer
* Some programming languages I used (a little bit): Javascript, PHP, C#, Python, Java, Lua, C++, C, MIPS
* I used to use a little few frameworks and libraries: .Net core, Spring boot, Pandas, NumPy
* Other: Rabbitmq, microservices

**Front-end:**

* Javascript, HTML, CSS; Bootstrap, Figma; Vuejs, Jquery, PHP

**Database:**

* ***SQL***: SQL Server, Oracle, MySQL, PostgreSQL; ***NoSQL***: **MongoDB, Redis**, Cassandra, Neo4j

**Other:**

* ***Git***, **Jira**, ***MVC Model***; ***UML***: Class, Use case, Activity, Sequence; ***ERD***; Tool: VS Code, Visual Studio, Eclipse, Enterprise Architect, **Postman**...; Reading English, Working team

**Link:**

* Facebook: <https://fb.com/khoaminhi> Github.io: <https://khoaminhi.github.io/my-html-css-cv>

# Experiences

## Software Engineer

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| Kingfood Mart | Software 2 team | Aug 2022 - Oct 2022 (2 months) |

Technologies: ***Nodejs, Expressjs, Redis, MongoDB, Rabbitmq***

Responsibilities:

* Refactor code and implement a new feature base on the past. It means that change from enqueueing and webhook to live inserts many.

- Fix the bugs.

## VNVC.VN Project

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| VNUHCM - University of Science | Members: 4 | May 2022 - Jun 2022 (2 months) |

Technologies: Nodejs(Expressjs, Passportjs...), Redis, MongoDB

Responsibilities:

* Login and log out with ***Passportjs***. ***Use Redis to store the user information session***.
* Manage region-province to get the corresponding region which is contained in ***Redis*** that provide data faster than.
* Design a good MongoDB and Redis schema structure.

Link: <https://github.com/KhoaMinHi/mdm-vnvc.vn-project>

## Online shopping project

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| --- | --- | --- |
| VNUHCM - University of Science | Members: 3 | May 2022 - Jun 2022 (2 months) |

Technologies: Nodejs(***moleculer-microservice***), mysql, php, rabbitmq, javascript, bootstrap

Responsibilities:

* Use Moleculer framework to build ***API gateway*** and other services; integrate Rabbitmq (Message Broker) into; Load balancing, Circuit Breaker. Implementation of one-way notification (***asynchronous***).
* Get API to login, logout which uses the ***session in PHP***; ***register by email***
* Create a front-end app server by PHP. Handle interface with bootstrap

Link: <https://github.com/KhoaMinHi/moleculer-distributed-system-udpt-project>

## Book Store Project

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| --- | --- | --- |
| VNUHCM - University of Science | Members: 3 | Dec 2021 - Jan 2022 (2 months) |

Technologies**:** **Nodejs**(Expressjs...), PostgreSQL, Heroku

Responsibilities**:**

* Handle Cart: generate session, modify cart's product using Jquery ajax. Add a comment by Ajax. ***Register by email***.

Link:

* Demo: <https://drive.google.com/file/d/1R8Fci0eCh3xYodQjHPqUxevWDCD0zvp8/view>
* Deploy: <https://webbansachclient2022.herokuapp.com/>
* Github: <https://github.com/PTUD-WEB/client>

## UK Accident Statistics - BI

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| --- | --- | --- |
| VNUHCM - University of Science | Members: 4 | Nov 2021 - Jan 2022 (3 months) |

Technologies: ***Data Warehouse***, SQL Server, Visual Studio, ***SSIS***, ***SSAS***, ***MS Power BI***...

Responsibilities:

* Flat -> Source -> NDS -> DDS -> Visualize
* Learning about analysing, filtering, cleaning, loading, transforming, extracting, designing andvisualizing data.

Link: <https://drive.google.com/drive/folders/1pT74M1IMfGNk8tI1p2xdgK-jWdjumCeR?usp=sharing>

## Hiring go to supermarket project

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| VNUHCM - University of Science | Members: 4 | Dec 2021 - Jan 2022 (2 months) |

Technologies: C# (.net core), Java(spring boot), Vuejs, ***Bing Map API***

Responsibilities:

* Create **API** using .net core, spring boot. Get response data and render it to the browser by ***Vuejs***.
* Use java to fetch Bing Map API to calculate the minimum of the distances between the store and some shippers.

Link: <https://github.com/KhoaMinHi/InfoSysDevProject_Semeter7_API_C-_Java>

## Others student projects

|  |  |
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| VNUHCM - University of Science | Jan 2021 - Jun 2022 (1 year 6 months) |

* **Recommendation System**: ***Item-based CF***, ***Matrix Factorization***. **Python**, Pandas, Numpy, GG Colab...
* Information systems analysis and design: Information Technology Center. Use ***UML***; ***give requirements then analyze and design system***.
* Computer Architecture & Assembly Language: BigInt (C), Quick Sort (MIPS 32)
* **Information Systems Security**: Build a winform app, Authorization, Authenticating, Encrypting,decrypting on Oracle DB.
* Advanced Database Management System: ***Transaction***, Winform

# Educations

## VNUHCM - University of Science

Bachelor's degree, Information Technology Aug 2018 - Jul 2022

# Activites & Hobbies

**Activities and societies:** Dem am (Warm night activity)…

**Hobbies:** Football…