Minh Khoa Pham

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Summary & Skills

Back-end:

- Nodejs: Expressjs, Moleculer

- Some programming languages I used: 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, **SSIS, SSAS**

Front-end:

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

Database:

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

Other:

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

Link:

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

Experience

UK Accident Statistics - BI

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

Information Technology Center - Information Systems Analysis and Design

VNUHCM - University of Science   Members: 4   Semeter 6
Technologies: **UML(**Business Use-Case, System Use-Case, Activity, Description Table, Class, Sequences, Three Tier Model**)**
Responsibilities:

- Give requirements then analyze and design system.

- Build Winform App: login, logout; showing score, fee; enrolling course activity; create the course, update the student mark.
Link: https://drive.google.com/drive/folders/1UdHa6khGWfGfRhA1fN-IBPYUfpEzCtK9?usp=sharing

Hospital Management Project - Information Systems Security

VNUHCM - University of Science   Members: 3   Semeter 6
Technologies: **Oracle DB,** Manage privileges on users, roles. **VPD** (Virtual Private Database), DES_CBC_PKCS5, trigger, store procedure, function.
Responsibilities:

- Modify database schema.

- Build a winform app; **Authorization**, **Authenticating**, **Encrypting**,*decrypting* on Oracle DB.
Link: https://github.com/khoaminhi/SecurityInfoSysProject

Real Estate Management Project - Database Management System

VNUHCM - University of Science   Members: 5   Semeter 5

Technologies: Winform, **Transaction**, **Deadlock**

Responsibilities:

- Find and demo the instances of each **Phantom Read**, **Dirty Read**, **Unrepeatable Read**, **Lost Update**

Link:

- Github: https://github.com/HaoNguyen7/ManagerLand

- Docx demo: https://github.com/HaoNguyen7/ManagerLand/blob/master/BaoCaoMau_4.docx

Manage Store - Advance Database

VNUHCM - University of Science   Members: 3   Semeter 5

Technologies: Winform; **PowerDesign**, **UML**; **Index**, **Pagination** on database; Excution plan.

Responsibilities:

- Analyze and design database from **Conceptual** to **Logical** to **Physical**.

- Estimate and optimize to improve the performance on database. After that, use indexing, paginating.

- How to use the index to get high benefit.

VNVC.VN Project

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

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

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

Responsibilities:

- Use Molecuelr 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

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

Hiring go to supermarket project

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 projects

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

- Recommendation System: **Item-based CF**, **Matrix Factorization**. **Python**, Pandas, Numpy, GG Colab...

- Computer Architecture & Assembly Language: BigInt (C), Quick Sort (MIPS 32

Education

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…