

CURRICULUM VITAE



PERSONAL DETAILS

Name: Nguyễn Hồng Lê Duy

Job title: Python Developer

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Github: <https://github.com/DuyNguyenLe96>

EDUCATION BACKGROUND

University: Ton Duc Thang University

Major: Chemical engineer– Organic Synthesis.

GPA: 6.7

University: University of economics Ho Chi Minh City Institute of Development
Economics Research

Certificate: Business administration

Result: Good

Certificate involve IT (include Python & Java):

<https://www.linkedin.com/in/duy-nguyễn-692a12275/details/certifications/>

SUMMARY

- I have 1 year of experience in python language and technologies web related python such as Django REST framework, Django, Celery.
- I used to write APIS based on another APIS of the big platform(Larksuite) , new APIS I wrote help my company use it easier than the pure APIS of Larksuite, and it contributed many thing to my automatic program for my company.
- I have 6 months of experience in java language and technologies web related java such as Spring MVC, Jsp,JDBC, RESTful API, Spring boot, JPA.
- Sharing knowledge is what I am passionate about. I also like read again and refactor code after I finished.

Database Management

- MySQL
- SQLite
- Redis
- Mongodb

Others:

- Understand Python core,Django REST framework, optimize query base on the framework
- Understand Java core:Use Collection(List,Set,Map),...
- I have some knowledge about SOLID principles, design pattern such as: singleton, factory method.
- I have some knowledge about SQL, RESTful API and Spring boot.

PROFERSSIONAL EXPERIENCE

[CÔNG TY TNHH LẬP TRÌNH JAVAWEB]

Time: [6 month]

Position: Internship

Project:

- **Estate management**
 - **Main feature:**
 - User Management
 - Building Management
 - Customer Management

- **Project Description:**

- This project helps real estate companies to manage their buildings, customers and transactions between the companies and their customers. I will describe all information about my project here:

Before going home page we need to log in, Based on the data in database will use it to authenticate. After login home page, we will see the interface based on the role that was set in the database.

+ Building Management:

- Build a searching function base on fields were choose,if I don't choose anything, they will search findAll.I built query it by custom JPA because it was complicated if I wanted to build by data jpa. I designed create, update, and delete functions and display interface on a website, I used modal combined with jquery and ajax call API to display list building and assign building.

Technical: Spring security,builder design pattern to build search function,java core,Spring mvc, use annotation @RestController, @Controller, @Repository, @Service, @Component, @Entity,... bootstrap, jsp to design interface website,use JPA and data JPA to build function, built addition of the image to the profile on the updated building , pagination using Display Tag

+ User Management:

- Build a searching function base on fields were choose, I built query search user by data JPA. I designed create, update, and delete functions and display interface on a website, I used modal combined with jquery and ajax call API to display list users and assign users managed customer,built reset password.

Technical: Spring security, build search function use data JPA ,java core, Spring mvc, use annotation @RestController, @Controller, @Repository, @Service, @Component, @Entity, ... bootstrap, jsp to design interface website, use JPA and data JPA to build function, pagination using Display Tag.

+ Customer Management:

- Build a searching function base on fields were choose, if I don't choose anything, they will search findAll. I built query it by custom JPA because it was complicated if I wanted to build by data jpa. I designed create, update, and delete customer functions and display interface on a website.

Technical: Spring security, builder design pattern to build search function, build search function use custom by JPA ,java core, Spring mvc, use annotation @RestController, @Controller, @Repository, @Service, @Component, @Entity, ... bootstrap, jsp to design interface website, use JPA and data JPA to build function, pagination using Display Tag.

Deploy to website: Use centos and database mysql deploy to VPS, deploy by hand.

- **Team size:** 2
- **Responsibilities:**
 - Take requirement from leader
 - Build full project, design database
 - Deploy web to VPS linux
- **Technology:**
Spring mvc, JPA, spring data jpa, bootstrap, jquery, restful API, MySQL

[MKT Team CITY]

Time: [1 year]

Position: Fresher

Project:

- **MKT Login**
 - **Main feature:**
 - User login
 - Account management
 - Profile management
 - Affiliate management

Project Description:

- This project helps companies to manage their staffs, customers and transactions between the categories and their customers. I will describe all information about my project here: Before going home page we need to log in, Based on the data in database will use it to authenticate. I Used Django-REST framework with JWT Token libs. I built functions like register, login, logout, reset password, change password, show profile, ...

In the verified email I combined Redis cached to save OTP code and set the time that exists. It will send OTP to the registered email. If variable OTP expires in Redis it will delete and we need to verified again.

We can log in using email or username to login. When resetting the password we need to check the mail to reset the password based on the token my company created. It was generated by user_id, time, email combine URL link splash my token

- **Team size:** 3
- **Responsibilities:**
 - Take requirements from leader, write APIs
 - Build a part of project
- **Technology:**
Python, Django REST framework.
MySQL, Postgres, Redis

- **Automatic Interactive Spreadsheets API(Larksuite)**

- **Main feature:**

- User login
 - Interact spreadsheets

- **Project Description:**

- I will read docs API on Larksuite web. I received demands from the leader about API he wants me to write for help general project. Based on APIs Open Larksuite provides developers, I will design new ones so my team can use them more easily than pure ones.

- I will design new APIs with input minimized parameters than pure APIs. It helps a part in designing automatic big projects in the future

- Some functions API: Get a token in Larksuite to log in account, Create a spreadsheet, Get sheet ID to provide another function, Get data from sheet, Insert data to sheet, Get, Insert image from sheet, ...

- Write a docs APIs for the company can use it.

- **Team size: 2**

- **Responsibilities:**

- Take requirements from leader, write APIs

- **Technology:**

- Pure Python, Django REST framework, requests libs in Python.

- **W3S backend**

- **Main feature:**

- User login
 - Account management
 - Profile management
 - Transaction management
 - Automatic bill payment

- **Project Description:**

- This project helps companies to manage their customer's transactions between the categories and their customers. I will describe all information about my project here:

- Before going home page we need to log in, based on the Firebase authentication to login and register the account. Output after login will be supplied an oauth access token, I used it to general basic informations user.

- Automatic pay transaction by using celery schedule to check history bank to update balance for customers every 15-30 seconds create real-time.

- Write some functions for user, admin, customers: create a admin, add, minus balance if automatic pay transaction had problems, check and auto popup transaction bills not completed, create functions for followers, APIs for categories my company supplied.

- API qrcode banks information for transactions to customers can

payment to my company.

- **Team size:** 3
- **Responsibilities:**
 - Take requirements from leader, write APIs
 - Optimized database, queries.
 - Design a mind map provide company after built functions
 - Deployment to demo server to test
- **Technology:**
 - Pure Python, Django REST framework, requests libs in Python, Celery
 - Redis, Mysql, Postgres, Firebase, VietQR payment, VCB bank API

