

Tran Trong Son

PERSONAL DETAILS

Name Trần Trọng Sơn

Nationality Vietnamese

Gender Male

Birth year 1992

Email

Mobil

Fb



SUMMARY

- More than 5-year experience in software development specially in Team Lead, web development both front-end and back-end, Android development(Native xamarin), IOS development(Native xamarin), Flutter(IOS,Android)
- Python, NET developer, experienced with Angular , Python, Django, Odoo frameworks, IOS and Android app development.
- Strong experience in design, proposal architecture & implementation of web applications
- With results-oriented and team work-oriented attitude, really keen on Web Development. I can play in role of “full-stack” web developer.
- Performed several roles as core developer, researcher with highly motivated of self-study.

EDUCATION & CERTIFICATION

- 2011 - 2016: Engineer of Information Technology, Vinh University.
- THE DEGREE OF ENGINEER INFORMATION TECHNOLOGY(Degree classification: **Good**)

LANGUAGES

English: Intermediate level
Vietnamese: Mother tongue

TECHNICAL SKILLS

- **Programming Languages:** Python, TypeScript, Dart, C#
- **Databases etc:** PostgreSQL, MongoDB, SqlServer, Redis.
- **Programming Tools:** Visual Code, Xcode, Android Studio, Visual Studio.
- **App server / Middleware:** Centos(Docker), Microsoft IIS.
- **Framework/CMS:** FastAPI, Django, Flutter(GetX, Bloc), Angular, Odoo, Net MVC, Net Core.
- **Configuration Management tools:** Git
- **Browsers:** Chrome, Firefox, IE
- **OS:** MACOS, Windows

PROFESSIONAL EXPERIENCES

2019/01 – 2023/03

Development, Smart Life Company

Project: CDN

Using the CDN simplifies resource management for multiple websites, as distribution and management can be executed from a single platform. Using the CDN can reduce operational costs for multiple websites by requiring one data repository and distribution service, and distributing the associated bandwidth and storage costs to multiple sites.

- Upload image.
- Upload multi image.
- Upload file, docs..
- Upload multi file , docs.
- Save file mongo db(GridFs).

Technologies:

- Gridfs, PIL.
- FastAPI.
- DB: Mongo(Shared cluster, load balancing).
- Server: Centos 7.
- Docker.
- Python 3 coding.
- Odoo CMS(Tasks Assign).
- Git version control.

Responsibilities:

- Team Lead
- Build core

- System design
- Review code
- Merge code
- Python develop
- Test Application

Project: Plant 4.0

Building an agricultural 4.0 system to serve the digitalization process in agriculture. Target customers are farmers, cooperatives. Helps record each step of the care process from planting to harvesting. There by creating a diary of each product from planting to harvesting. Warehouse management, management of agricultural materials, management of plant varieties, management of machine and equipment. Smart farming refers to managing farms using modern Information and communication technologies to increase the quantity and quality of products while optimizing the human labor required. Among the technologies available for present-day farmers are sensors for soil scanning and water, light, humidity and temperature management.

- Commons management: tree, employee, warehouse, production of unit, unit, material..
- Employee management roles, permissions.
- Partner management : add, update information.
- Task Assign to employess includes: planting, diary, harvest.
- Warehouse management: import, export, tranfer, adjusment
- Invoice: Using Harvest's invoicing feature, create an invoice for the harvest.
- Create schedule, process of crop.
- Report :
 - Inventory levels
 - Revenus
 - Profit of loss
 - Employee
- Agricultural documents management. Document includes:
 - Ocop techniques
 - Gardening techniques
 - Planting techiques
 - Pets of plants
 - Fertilizer for plants
- Fundbill management: Receipts, Pay Slip
- Connect traceability
 - Regiter user
 - Register product
 - Register production of unit
 - Register Transaction(planting, diary, harvest)
- Weather forecast
- IOT

Technologies:

- Backend: FastAPI
- DB: Posgrestsql

- Flutter (GetX)
- Web for Angular
- Multitenant DB
- Tasks Assign (Oddo CMS)
- Docker
- Git version control

Responsibilities:

- Team Lead
- Build core
- Python developer
- Review code
- Merge code
- System design
- Features implementation
- Test application
- Deploy backend to Centos(Docker)
- Support other team members
- High performance tuning
- Critical issue solving.
- Testing

Project: Produce

Is an application dedicated to production and processing facilities to help manage processing activities, update traceability information for products in real time. (very suitable for Ocop product production facilities). A traceability system for manufacturing tracks production in real-time, providing a detailed view of the manufacturing process, from raw materials to finished products

- Establish regulations for monitoring the quality of each specific item.
- Check the quantity of goods, the origin of the batch, barcodes, and ingredients.
- Decide to accept or reject raw materials or products that comply with the standards.
- Print inspection and approval certificates in accordance with the industry's general regulations.
- Monitor the process of importing goods from suppliers and report to the system on any issues.
- Partner management
- Processing process management
- User management: add, update, delete, roles, permissions.

Technologies:

- Backend: FastAPI
- DB: Posgrestdb
- Flutter apps for Android + iOS(GetX)
- Docker
- Git version control
- Tasks Assign(Oddo CMS)

Responsibilities:

- Team lead
- Python developer
- System design
- Review code
- Merge code
- Features implementation
- Test application
- Deploy to centos

Project: GRPC Client-Server

GRPC serve-client

Synchronize data between servers:

- Account: sync user information, active user, remove user.
- Application: sysc application information, active application, remove application.
- Contract: sysnc contract information, renew.

Technologies:

- Backend: Python FastApi
- Docker
- DB: Posgrestdb
- Git version control
- Tasks Assign(Oddo CMS)

Responsibilities:

- Team Lead
- Build core
- Python developer
- System design
- Review code
- Merge code
- Authorization and authentication implementation(RSA key)
- Test application

Project: UserCenter

Using kerberos authentication. The Authentication Server(AS) performs one function: receive a request containing the username, password of the client requesting authentication, and return an encrypted Ticket Granting Server(TGS) for that user. Then, the client can use this Ticket Granting Server (the TGS) to request further tickets for other services. When a client has no Kerberos tickets cached, or tickets that have expired, then the client must communicate with the Authentication Server to get an initial ticket to the Ticket Granting Server. This typically happens at the beginning of each day, as most Kerberos implementations default to 8-10 hour ticket lifetimes. User management, App registration management, system access rights management, registration management all company apps.

- Contract management: retrieve, update, renew.

- User management: The Manager User service is responsible for managing user accounts, which include adding, removing, active, updating, and retrieving user information. This service stores user data such as usernames, password...
- Ticket Management: generate ticket, update, check authentication, check permissions.
- Application store : register all applications of the system, update app, active app, generate key Rsa.
- Roles management: the manager role access apps, add, update, remove role access.
- Encrypt, decrypt data.

Technologies:

- FastAPI
- Angular
- RSA(Encryptor)
- DB: Posgres
- Git version control
- Docker
- Deployment on Centos
- Tasks Assign(Oddo CMS)

Responsibilities:

- Team Lead
- Build core
- System design
- Review code
- Merge code
- Python develop
- Tests app

Project: Traceability

Traceability is the ability to track the steps or processes of a product or service from origin to consumer. Traceability plays an important role in monitoring the production process, ensuring food safety, protecting the environment and meeting customer requirements. Traceability includes collecting and storing information related to products or services, including location, time, origin, production process, transportation and post-use processing. Traceability plays a very important role in fields such as food, environment, health care and manufacturing. It helps increase transparency, provide important information and plays an essential role in ensuring product safety and quality of service.

- Product register: product information, variety
- Production unit : production unit information
- User register: user information
- Transaction register: planting, diary, crop, harvest, ware house.

Technologies:

- Django
- DB: Mongo
- Git version control
- Deployment on Centos

- Tasks Assign(Oddo CMS)

Responsibilities:

- Development python
- Maintain
- Tests app

Project: SmartPost

Sales process, including inventory management, customer relationship management, and financial management. Set up new stores quickly and easily with just an internet connection. Then use your Point of Sale everywhere, anytime. Odoo POS is based on a smart interface that any retail company can use without difficulty. Because it's extremely flexible, you can configure Odoo POS to meet your precise needs. Reward your loyal customers with points, gifts and discounts with Odoo loyalty programs. Inventory app automatically inputs any transaction from the POS in the stock.

- Session management
- Product Management: The POS system must have a comprehensive list of products, including their price, stock levels.
- Inventory Management: The POS system should update inventory levels in real-time when products are sold. Inventory Management is the process of managing, monitoring and controlling the inventory.
- Order Management: The POS system should be able to process orders quickly and accurately, accepting payments and issuing receipts while updating inventory levels in real-time.
- Customer management: allows retailers to manage their customer information in a centralized database, enabling them to track customer purchases, preferences, and contact information.
- Report: profit of loss, inventory levels, customer..
- Inventory Management: A warehouse must track inventory effectively, keep accurate records of the stock levels, and monitor for low stock levels. This helps in avoiding stockouts

Technologies:

- BE: Python odoo 12
- Tasks Assign(Oddo CMS)
- FE: Odoo 12
- Posgrestdb
- Flutter for apps(Flutter bloc)
- Git version control

Responsibilities:

- Development python
- Test application
- System design
- Development Flutter

Project: SmartSales

Application to run your process product management, warehouse, invoice, report. help retailers manage their business operations more effectively, including:

- Inventory management: KiotViet allows retailers to track their inventory in real-time, manage stock levels, and receive alerts for low stock levels. It also enables retailers to create purchase orders and manage their suppliers.
- Sales management: provides retailers with a range of tools to manage their sales, including the ability to create invoices, process payments, and handle returns and refunds.
- Customer management: allows retailers to manage their customer information in a centralized database, enabling them to track customer purchases, preferences, and contact information.
- Reporting: provides a range of reports to help retailers monitor their business performance, including sales reports, inventory reports, and customer analytics.
- Manage promotion programs and product prices
- Manage customers, employees and suppliers...

Technologies:

- NET Core
- Angular (kendo UI)
- Sql server
- Git version control

Responsibilities:

- Develop both FE and BE
- Test app
- System design

Project: Book

Outsource in house. Develop web app and Develop a mobile app (iOS+Android) for e-book reading.

This app is built for Japanese customer with one backend using Djnago. Mobile using Flutter.

This Application includes:

- Category management: novel, short story...
- Post management
- User management: register, update, active user, roles, permissions, reward.
- Settings: theme, font, notification...

Technologies:

- Django/Python
- Bootstrap/Jquery/HTML/Javascript
- Postgresql
- Flutter(Bloc)
- Docker

Responsibilities:

- Coding back-end tasks using Python and Django framework
- Coding front-end using Python Django.
- UI Front-end development using Django, jQuery, bootstrap,

- Flutter App(Bloc)
- Test application

Project: Dentistry

- Treatment planning: The dentist must conduct a thorough examination of the patient's oral health to recommend the appropriate treatment. Treatment planning includes diagnosis, prognosis, treatment options, and patient education. Dental professionals must recommend only the necessary treatment to the patient while considering the patient's financial capacity.
- Appointment scheduling: Proper appointment scheduling is crucial in ensuring that patients are seen on time, and the dentist's time is used efficiently. Dental professionals must manage their appointments using an effective scheduling system that allows them to optimize their schedule while minimizing waiting times for patients.
- Customer management
- Employee management
- Report: profit of lot, warehouse..
- Invoice

Technologies:

- BE: Python FastApi
- FE: Angular
- Postgresql
- Flutter
- Docker
- Server Centos
- Git

Responsibilities:

- Dev BE Python FastApi
- Dev FE Angular
- Build core(FE, BE)
- Design (View, system, structure)
- Test application

10/2017 - 3/2018

Development, Tima Group

Project: HRM

- Create user accounts: Create user accounts for all employees, managers, and other staff members who need access to your HRM system. This includes setting up usernames and passwords, and assigning them roles and permissions according to their job functions.
- Manage user access: Consider the access levels and permissions granted to each user, depending on their job responsibilities. You may need to give different levels of access to different employee groups, such as managers, human resources staff, and regular employees.

- Set up user profiles: Once the user is created, set up their user profile, which may include a photo, contact information, job title, and any other relevant information.
- Track user activity: Monitor user activity within the HRM system to ensure compliance with company policies and procedures. This may include tracking access logs, login histories, and other system-related activity.
- Tasks Assign to department in the company
- Manage the work schedule, leave schedule of each individual in the company.
- File management, company upload documents.
- Schedule, work plan of all employees in the company.
- Off-boarding employees: As employees leave the organization, remove their access to HRM systems, and securely delete their user account data.

Technologies:

- NET Core
- Angular 4
- Sql server
- Git version control

Responsibilities:

- Develop both FE and BE
 - User management
 - Roles, permission management
 - Application for leave
- Test application

7/2016 – 7/2017

Development, REDSAND Company

Project: Foody

Application that helps users find places to eat, drink, restaurants, cafes and other locations in Vietnam. You can [REDACTED] also provides users with information about dining locations such as address, price, images and comments from other users. In addition, Application also has features such as TV collections, blogs and promotions.

- Restaurant and Menu Management: The Application is designed to help restaurants attract and retain customers by providing a user-friendly interface for managing menus and restaurant information. Restaurants can update their menu, add new dishes or promotions, and set pricing for each item.
- User Management: Application allows users to create and manage their accounts, save their favorite restaurants and dishes, and leave reviews to share their experiences. User profiles also help the platform personalize the experience for each user, suggesting relevant restaurants and dishes based on their preferences.
- Rating and Reviewing: rating and reviewing mechanism enables users to rate and leave feedback on menu items and restaurants.

Technologies:

- NET MVC5
- Sql server
- Git version control

Responsibilities:

- Dev Net MVC5
- Restaurant and Menu Management: design, add, update.
- Test application