



# HUỖNH CẨM TUẦN

## Team-Lead Backend

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## SUMMARY

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- 5+ years of Software Develop experience and working as a Senior Software Engineer, .Net Developer, Backend Developer (almost 5 years .NET stack, almost 2 years Fullstack, 2.5+ years JS stack).
- With good analysis thinking, and a problem-revolved, production mindset, I am always curious, constantly interested and experienced, I have expertise in software development skills, and I always research and improve products using best practices.
- My passion is programming, I improve myself every day by learning deep and hard technologies, Design Patterns, OOP, software design, planning time, and testing skills to become *Technical Architect* before 35yo.
- Also want to become a blogger/ YouTuber/ an expert to share my IT knowledge/ skills with everyone.

## SKILLS

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### Backend

- **.NET C#** stack (almost 5 years experiences) with good-knowledge OOP, DI, IoC, REST APIs, Delegates, Asynchronous, Parallel TPL (multiple-threads, tasks), Locking and Signal mechanism (Mutex, Semaphore, CountdownEvent...), Filter Pipeline, etc...  
Libraries used ORM Entity Framework Core, MongoDB Entities, type-safe REST Refit, Polly (Http Retry, Circle Breaker), Fluent Validator, object mapper Mapster, NPOI, Swagger-Docs, MediatR...
- **NodeJs, ExpressJs** (2+ years experiences) with good-knowledge ES6, Typescript, CommonJs ES5, Async Promise, improve RPS in node-app...  
Libraries used typeORM, mongoose, pm2, dotenv, helmet, morgan, winston, express-http-context, compression, i18n, express-validator, kue for queue...
- SmartContract (SC) developed by **Solidity** integrate Ethereum-Networks. Developing, debugger, deploy SC on Remix IDE. Library web3js, ethersjs, truffle, hardhat integrate SC.
- **PHP** 5-7 experiences use Joomla, Laravel, MVC CodeIgniter. Libraries used RxPHP, Voyager, Guzzle, Tinker, CURL...

### Frontend

- Strong experiences in FE like **HTML5/CSS3** using libraries Uikit, TailwinCSS, Bootstrap, Material UI... CSS Preprocessor **SCSS/SASS**. Making responsive high-reusable layouts.
- **AngularJs, Angular 2+** experiences in RxJs, lifecycle, DI, Modules...
- **React** experience in lifecycle, React hooks, Redux, Styled component, Functional

components, Axios, Typescript.

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## Database

- Experience in optimize query, store procedure (**MSSQL, PostgreSQL**), ACID transactions. **MongoDB** query aggregation, atomic transactions. Design table scheme.

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## Other Stack

- Experience in **Redis** use for Caching, Pub/Sub Event, Distributed lock (RedLock)
- Cloud services integration: **AWS** (S3) / **GCP** (AppEngine/VisionOCR/FirebaseFCM/Sheets APIs)
- Message Queue (**Rabbit MQ, Kafka**) delivery events, messages on retry pattern, service-2-services, asynchronous communicate services...
- Git with experience in **Git-Flow**, setup **Github Action** / **Gitlab CI/CD** scripts. **Postman** experience in setup scripts chaining request.
- **OpenTelemetry** (metrics, logs, and traces) using for distributed tracing.

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## EDUCATION

### Gia Định University

Sep 2013 - May 2017

*Information Technology / Software engineering*

Degree classification: Good

Mode of Study: Full-time

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## WORK EXPERIENCE

### Galaxy Pay.

Mar 2022 – Present

*Company of Sovico Group with the mission of providing strategic consulting solutions, developing digital transformation projects of member companies and operating new technology projects.*

#### Backend Developer

- Mainly integrate PSP hub (Napas, MoMo, 2C2P, MPGs, CyberSource, etc...) to main services that become Payment Gateway support a variety of payment methods.
- Participate in developing, improving libraries, code-base framework (Personal implementation applies the clean architect).
- Participate in researching, and scripting scenario test-case to Auto-QC for Automation Test saving a lot time on dev-stage.
- Participate with Tech-Lead and DevOps in improving, and securing the sensitive data logs system for tracing, logging history, monitoring user's transactions.
- Mentor junior-mate on web-page, guide him to meet deadline task on estimate time.

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### VietCredit Finance Company.

Nov 2020 – Feb 2022

*VietCredit Finance Joint Stock Company is allowed to execute the activities and the rights of the General Financial Company, according to financial laws and the permission of the State Bank of Vietnam. The company runs the activities such as capital mobility, granting of credit and loans, and other activities.*

#### Backend Developer

- Integrate offline PSP and Develop auto-commit transactions from every day's batch files, auto-reconcile transactions in scheduled. Eliminate daily manual accounting transaction commitment and reconciliation.

(Personal implementation applies multiple-thread process concurrency to improve efficiency while maintaining accuracy).

- Participate in developing, improving transactions service (which layer apply bussiness validate transactions) before commits to Payment-Cores. Saving new featuring cost Enterprise core.
- Use throttling mechanism (without use 3<sup>rd</sup> MessageQueue) to send concurrency amount of SMS messages that are kept all night. Make sure networks aren't throttle.
- Integrated E-Contract service to the customer system for replacing traditional paper ones.
- Integrated 3<sup>rd</sup> party services OCR to business system, to reduce redundant customer application data.
- Participate in developing Auto Tools do some repetitive task, reduce daily redundant action from users.
- Participate in building management application window print the Loan card. Saving a huge of cost for this new application from 3<sup>rd</sup> providers.

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## Freelance & Side Project.

Dec 2019 – Present

*As a developer, I always find the chance to learn new technical and work part-time to gain experience and improve myself everyday.*

### Fullstack Developer

#### Team Blockchain: 2021 - Present

- Research and implementaion, develop Smartcontract, integrate RPC Web3, DApp.
- Process atomic tranansactions business in line, sync distribute on schedule keep data consistent for report.
- Build extension that extend light-weight library named "MongoDB Entities".  
<https://github.com/huynhcamtuan1995/ExtendMongoDBEntities>
- Participate in dev a page ReactJs to meet a deadline.

#### Team Web: Dec 2019 - 2020

- Resolve problem that saving 55% develop time by storing data on Google Sheet Cloud for only View – Export Excel data.
- Participate in refactoring from traditional SSR page to SPA for improve 28% performance, segregate FE & BE for horizontal scaling.
- Use throttling mechanism (without use 3<sup>rd</sup> MessageQueue) to move (download and upload) document from Cloud to DataCentral for saving cost.

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## TMG & iVIVU.

Jun 2017 - Jun 2020

*iVIVU.com is a member of the TMG Vietnam Group with more than 20 years of experience in the field of Tourism - Hospitality. Vietnam's Leading Online Travel Agency Channel 2021.*

### Fullstack Developer

#### Team TMG:

- Participate in developing, providing maintenance of TMG's products Web-app, achieved 100% client satisfaction and on-time completion.
- Build high-customize modules shared Web-app products, saving development time by reusing built modules.

#### Team iVIVU:

- Integrate VeXeRe Apis into services and provide an intuitive FE for users to select seats, and book transfer coach using integrated Apis. Eliminate complex action login to VeXeRe's provided portal do booking.
- Participate in developing new Booking flight Web-app replacing old tranditional SSR page to SPA for improve performance.

*Game online company was produced and released a lot of famous games on ZingPlay platform.*

**Tester game, QC**

- Test case and game to ensure the quality of the product.
- Make a Test case for testing.

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**PROJECTS HIGHLIGHT**

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**GalaxyPay Payment Secure Page**

- **Description:** Payment gateway support payment methods a variety modern payment providers include national and international. Ensure easy pay for customers.
- **Responsibilities:** Main develop, and mentoring junior-level teammate for integrate internal system connect with payment gateway systems.
- **Result:** Highly Available, Secure PaymentGateway service provide to merchant business.

**GalaxyPay Payment provider services**

- **Description:** Integrate, coupling internal services with provider systems include query, pay, refund from sender services to PSP.
- **Responsibilities:** Normalize request data and response data from sender services to PSP. Ensure transaction status consistent result reply to integrated systems.
- **Result:** Migrating, refactoring successful some old integrate services to new ones. Highly Available, stable connect to PSP.

**VietCredit Payment services**

- **Description:** Layer service which has repositories to check rules, business validation, and process the payment transactions on-site (include payment off-side) before commits to Enterprise Core.
- **Responsibilities:** Participate in enhancing and developing the payment service in line with business requirements.
- **Results:** Easy to adapt payment service in line with business requirements.

**E-Contract gateway**

- **Description:** Customers can sign contracts on the VietCredit mobile app through the gateway.
- **Responsibilities:** Integrate third-party e-contract solutions to current customer system services.
- **Results:** Replacing the traditional paper ones.



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## NFT Gofox MarketPlace

- **Description:** MarketPlace for customers can mint and sell their NFT token get a reward, and airdrop owner coin on the website to the Ethereum networks.
- **Responsibilities:** Main develop Solidity SmartContract in line with business requirements and deploy it to Ethereum and BSC platform. Main develop BE, integrate BE with SmartContract. Participate in developing FE features.
- **Results:** Community's users can mint, trade the NFT, get a reward, and airdrop owner coin on the website to the Blockchain from our marketplace.



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## iVIVU Foods

- **Description:** iVIVU food booking service allows customers can booking their lunches and dinners, to calculate materials based on customer bookings.
- **Responsibilities:** Participate in developing BE APIs business service and FE UI features.
- **Results:** Managed materials base on customer bookings materials base on customer bookings.



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## iVIVU booking Airline tickets

- **Description:** iVIVU booking airline tickets provide for customers easily to search and book tickets.
- **Responsibilities:** Participate in updating, maintaining BE business APIs, develop FE UI features.
- **Results:** Replacing the old booking airline tickets project. Integrated Airlines APIs to service core functionality.



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## iVIVU combo coach & hotels

- **Description:** iVIVU booking combo coach and hotel provide for internal staff easily to searching and booking combo. Don't need to login to Vexere portal do isolate booking coach.
- **Responsibilities:** Main develop BE business service, integrate VEXERE provider system, and intuitive FE UI features.
- **Results:** Intuitive for user create combo booking hotels and coach in same services, reduce complexing booking coach step.



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## Agency service

- **Description:** The service manages agency booking allotments, booking prices, booking rooms, managing booking rooms, allotments of agency by group contract periods.
- **Responsibilities:** Participate in developing BE extend booking contract agency group prices, allotments.
- **Results:** Agency can searching, booking rooms, extend contract offer online.



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## Web-app Victoria hotels, Emeraude cruises, Hai Au aviation

- **Description:** Website listing services and allowing customers to reserve bookings, administrator site for admin can easy to manage content.
- **Responsibilities:** Participate in developing the whole cycle life of website, start analyzing business, designing database, build BE, FE, and high-customized reusable Modules.
- **Results:** Successfully deployed to user nice product, have good feedback from customers, reserve booking online, send offers. Achieved 100% client satisfaction and on-time completion. High-customize module can be shared through Web-app.

