



NGUYEN TRONG DUY

PERSONAL INFORMATION

Current job title Fullstack Developer - System Operator
Year of Birth 1995
City/province Ha Noi

Email

Phone

EXECUTIVE SUMMARY

Assessment

- I have over **6 years of expertise in Software Development**
- With more than **3 years dedicated to Backend development utilizing NodeJS** across multiple projects, I have also pursued **personal projects involving Python for a year** and undertaken **maintenance tasks using Golang**
- I have proficiency in C# for backend operations and **ReactJS for frontend tasks**
- I possesses hands-on experience in **establishing CI/CD processes** using Gitlab CI/CD and managing AWS Infrastructure
- **Proficient in Docker** , K8S, Visual Studio, and VS Code, I excels in Unix/Linux Systems and Ops/DevOps
- Well-versed in various databases such as SQL, MySQL, Redis, MongoDB, and MQ Publish/Subscribe
- Familiar with IT Methodologies including Agile, Waterfall, and Lean Software Development
- I have navigated projects within the domain of developing systems for back office operations
- Demonstrated capability in initiating and developing projects/products from scratch
- I am open-minded and ability in performing well under pressure
- Ready to embrace and update new technology trends.

SKILLS

Python

Golang

Devops

Gitlab

MySQL

Agile

LANGUAGES

English • Intermediate

WORK EXPERIENCE



Web - AI/ML Developer

PERSONAL PROJECTS • Remote work

6/2023 - Present

Responsibilities

- Prepare data used for training, data labeling
- Implementation, training and evaluation of the machine learning model against pre-prepared data
- Develop web applications using FastAPI, Nodejs, reactjs, Mysql and MongoDB
- Deploy web apps and AI models with Docker

1/ Project name: Water Meter OCR

Duration: 1/2023 - now

Description:

- Water Meter OCR application helps to replace a human part in confirming whether the recorded index and provided images match, thereby reducing the workload for humans in the data validation process as well as limit human error

Technologies used: Python, Nodejs, Reactjs, MongoDB, Mysql, Redis, Docker

Position: Developer

Main Responsibilities:

- Labeling data, training and evaluation model
- Backend development and web user interface



Fullstack Developer - System Operator

VP BANK • Full time

11/2020 - Present

VPBank has set its 3rd five-year (2022-2026) development strategy goal to become a bank with a solid position in the top 3 leading banks in Vietnam and one of the top 100 largest banks in Asia.



Responsibilities:

- System operation based on AWS infrastructure, private cloud
- Have experience with server based on Unix/Linux operating system/command line
- Develop web application (Reactjs) and backend (NodeJS, Python, C#, MySQL, MS-SQL, MongoDB)
- Participate in the development and operation of internal systems in VPBank such internal lookup system, ticket management system, ..etc



user's experience

- Languages and technologies used include Javascript, Python, C#, HTML, CSS, and SCSS

1/ Project name: GenAI

Duration: 10/2023 - now

Description:

- Research and build up 2 prototype integrate with LLM foundation model API(Azure OpenAI ChatGPT3.5 turbo and AWS Bedrock Anthropic Claude 2).
- The goal is for the application to build a virtual assistant that can answer questions about banking services provided, regulations, internal processes, etc...

Technologies used: Python, Nodejs, Reactjs, REST, Mysql, etc...

Position: Member

Main Responsibilities:

- Research and prototype development implementation

2/ Project name: 247 Virtual Assistant (Callbot & Chatbot) (247, SME, RB, BANCA, OPS)

Duration: 5/2021 - now

Description:

- Integrating Chatbot in public customer service channels of VPBank like Facebook, Website, Mobile Application, creates a new real- time communication channel between customers and caller for [REDACTED] distribute conversations both actively and passively to callers, monitor callers' responses, creates bots for scenarios, etc

Technologies used: Python, Golang, Java, PHP, EC2, Docker, K8s, RDS, DocumentDB, RabbitMQ, ActiveMQ, ..etc

Position: System Operator

Main Responsibilities: Operating the system, ensuring the stable application of the application, and [REDACTED] handle incidents

3/ Project name: Internal Survey

Duration: 2/2023 - 6/2023

Description: VPBank internal survey application

Technologies used: NodeJS, ReactJS, REST, MySQL

Position: Fullstack Developer, Tech Lead, System Operator

Main Responsibilities:

- Get requirements from customer
- Oversees the technical aspects, making architectural and design decisions, and guiding team members in technical matters

4/ Project name: CSC System

Duration: 11/2021 - now

Description: CSC is a system to serve the digitization of requirements and procedures that were previously performed manually

Technologies used: Nodejs, Python, Reactjs, REST, Mysql

Position: Fullstack Developer, Tech Lead, System Operator

Main Responsibilities:

- Develop the application
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- Communicate and consult customer for the app's features

5/ Project name: CCKB247 Knowledge base

Duration: 6/2021 - 10/2021

Description: CCKB247 Knowledge base is a portal used for business units, quickly updating information to units in the business system, looking up information about limits applied to each customer, promotions, events, ..etc.

Technologies used: NodeJS, ReactJS, REST, MySQL

Position: Fullstack Developer, System Operator

Main Responsibilities:

- Working with Business User to make requirement clearly
- Develop the application based on customer's requirement

6/ Project name: Fund Management System

Duration: 11/2020 - now

Description:

- The system for supply money management for finance companies includes VPBank, FE Credits, [REDACTED], [REDACTED], [REDACTED] process...etc

Technologies used: NodeJS, ReactJS, REST, MySQL

Position: Fullstack Developer, Tech Lead, System Operator

Main Responsibilities:

- Communicate with customer for requirements
- Discuss with mobile team to find the good way to implement features
- Code review



Frontend Developer

Systema Corporation • Full time

10/2018 - 11/2019

Systema exists to move the world forward through the power of IT

[REDACTED]

Onsite at Fukuoka, Japan

Responsibilities:

- Participate in the development and maintenance of asset management, after-sales, and insurance systems
- Analyze and implement the implementation according to the requirements given by the customer

1/ Project name: Broadleaf - Insurance and After Sales Service

Duration: 10/2018 - 11/2020

Description: Broadleaf - Insurance and After-sales Service is a web application developed to manage

scheduling ..etc

Technologies used: Java, Angular, Cassandra NoSQL, Elasticsearch

Position: Frontend Developer

Main Responsibilities:

- Develop the application based on customer's requirements



Web Developer

RIKKEISOFT • Full time

12/2017 - 10/2020

Established in 2012, **Rikkeisoft** is a leading provider of technology resources & services for the US, Europe, and Asia-Pacific (APAC) region

Responsibilities:

- Participate in the development and maintenance of asset management systems of enterprises, state agencies, and warranty management systems

framework, Javascript Kony platform

- Languages and technologies used include javascript, C#, HTML, CSS, and SCSS
- Perform tests to ensure project quality

1/ Project name: Y-Ship - Transportation management

Duration: 7/2018 - 10/2018

Description: shipping order management, orders synced from the AWS Marketplace API

Technologies used: React, C#, REST, SOAP API

Position: Developer

Main Responsibilities: Develop the application based on customer's requirements

2/ Project name: Miyazaki - Asset management

Duration: 12/2017 - 7/2018

Description: Miyazaki - Asset Management is a single place for everyone to look up company/org assets, manage existing products or purchase new arising requirements

Technologies used: C#, MS SQL, JQuery

Position: Developer

Main Responsibilities: Develop the application based on customer's requirements

EDUCATION

Chu Van An University

Bachelor: Information Technology

01/2013 - 01/2017