



TRUA NGUYEN VAN

Senior Software Engineer

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Ho Chi Minh, Vietnam

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INTERESTS

Chess Swimming

MOBA Games Football

Travelling Problem Solving

Marathon running Reading

Artificial Intelligence

SOFT SKILLS

Collaboration

Problem solving

Decision making

Strategic planning

Time management

Multitasking Work ethic

Adaptability Self-motivation

Communication Leadership

HARD SKILLS

Python Nodejs C/C++

Golang C# Java Kafka

Echo Linux K8s Git

Docker MongoDB Redis

Nats Postgresql Spark

Functional Object-oriented

Agile-scrum Pytorch

Tensorflow Opencv

Selenium Microservice

LANGUAGES

Vietnamese: **Native**

English: **Intermediate**

ABOUT ME

- I am an ambitious and hardworking individual, with broad skills and experience in software development. Furthermore, I am adept at handling multiple tasks on a daily basis competently and at working well under pressure.

- A key strength is communication and building strong relationships with people in order to deliver the best results.

CAREER OBJECTIVE

- With experience in language programming and team management for the past 5 years, I wish to utilize my knowledge and skills for the growth and development of the company as well as enhance my knowledge by exploring new things.

- I am looking forward to working with a dynamic team that will help me in realizing my potential and goals while working towards the goals of the company.

EXPERIENCE

Senior Backend Engineer | VieON

June 2023 – Now

Ho Chi Minh, Vietnam

- Topic: Payment, OTT platform, Partner integration.
- Role: Develop and monitor software
- Language/Framework: Go, Lua, Redis, Mysql, MongoDB, Kafka, K8s, Kong gateway.
- Leveraged creative abilities and technical expertise to conceptualize and develop innovative solutions to improve product performance.
- Conducted research and experimentation to identify emerging technologies and trends relevant to the industry.
- Implemented new technologies and methodologies to optimize resources and enhance product efficiency.
- Collaborated with product teams to integrate new features and functionalities in alignment with market demands and customer needs.
- Demonstrated adaptability and a willingness to learn, staying abreast of technological advancements and industry best practices.

Software Engineer | VNPT-IT

March 2020 – May 2023

Ho Chi Minh, Vietnam

- Topic: Virtual meeting platform, Spatial Data system (GIS), OCR, Context Search, Government tasks.
- Role: Project Manager, Software and System Development, AI Tasks (NLP, Computer Vision).
- Language/ Framework: Python, Go, Nodejs, Java, Pytorch, Opencv, Spark, Hadoop, Kafka, Nats, Echo Framework, MongoDB, Postgresql, Redis, Docker, K8s.
- As a team leader capable of assigning appropriate tasks to team members, control team activities to promptly adjust when mistakes occur. Besides, exploiting the potential of each person and building a good relationship in the

CERTIFICATES

TOEIC L&R - Total: 560:
Valid until 2023/02/05

Data science certificate:
Tan Tao University

Problem solving certificate:
Hackerrank

team to be able to operate effectively and support each other in work to accomplish the team's goals.

- As a core member responsible for the value of the product such as analyzing feedback, giving advice, committing, optimizing the product. Besides, analyzing the requirements from the head.

- As a R&D engineer who has creative ability, expertise from which to come up with new ideas to improve product performance, optimize resources, improve customer experience. Always exploring, learning to put new technologies in line with the economy and needs into products.

Data Engineer | Freelance

📅 February 2019 – May 2021

📍 Ho Chi Minh, Vietnam

- Topic: Distributed Temporal Apriori Rules
- Role: Data engineer
- Language/Framework: Python, HDFS, Spark

- Designed and implemented data pipelines for processing and integrating large datasets, improving data accessibility and performance.

- Assisted in the development of data pipelines and ETL processes to support business analytics and reporting.

IT Helpdesk | IIG Vietnam

📅 January 2017 – May 2018

📍 Ho Chi Minh, Vietnam

- Topic: Examination Systems Implementation and Maintenance
- Role: Technical Support Specialist

- Installed and configured specialized software for computer-based and English language examinations (e.g., MOS, IC3, TOEIC) to ensure a stable testing environment.

- Participated in the organization of exams, including preparing equipment, performing pre-exam system checks, and providing technical support throughout the examination process.

- Assisted candidates in resolving software or system-related issues during exams, ensuring that the testing process proceeded smoothly and on schedule.

- Collaborated with other departments to update and maintain the latest software versions, ensuring the accuracy and security of the testing systems.

EDUCATION

Bachelor of Computer Science | VNUHCM - University of Information Technology

📅 August 2015 – 2020

📍 Ho Chi Minh, VietNam

- GPA: 8.23/10.0

Data Science Course | Tan Tao University

📅 December 19, 2018 – December 22, 2018

📍 Long An, Vietnam

- GPA: Completed

PROJECTS

VieON | VieON

📅 June 2023 – Now

📍 Software Engineer

Developed features related to payment systems, movie content management, and API services for partner integrations, including gift code purchases and subscription activation.
Monitored system performance and stability, proactively identifying and resolving issues to ensure smooth operation.

VNPT MAPs | VNPT-IT

📅 March 2022 – May 2023

📍 R&D engineer, Software engineer

Building a spatial data system (GIS) similar to Google Maps, providing a base map, a specific business, a direction.

VNPT GoMeet | VNPT-IT

📅 September 2021 – February 2023

📍 Project manager, Team leader, Software Engineer, R&D engineer

Build an online meeting and learning system similar to zoom, capable of carrying a large number of people at a time in a room. Besides, the system also provides advanced features such as break room, cascading.
Horizontal and vertical scalability, auto-scaling on demand, high availability and failover.

VNPT eCitizen | VNPT-IT

📅 February 2021 – September 2021

📍 Software engineer, Data engineer, AI engineer

Build backend modules to provide an API for the system to build sub-applications in the super app such as news, chat-bots, education and deploy related modules.

VNPT Working Environment Monitoring | VNPT-IT

📅 September 2020 – March 2021

📍 R&D engineer, Software engineer

Build backend modules to provide APIs for the system to monitor, manage and report on the status of the working environment and deploy related modules.

VNPT OCR Business Card | VNPT-IT

📅 March 2020 – January 2021

📍 Team leader, AI engineer, R&D engineer

To build an application that automatically recognizes information on name cards and adds it to the address book. The information includes full name, job title, company name, address, contact details, and more.

Temporal Association Rules | Freelance

📅 February 2019 – May 2021

📍 Data Engineer

Building a system to analyze the habits of using electronics and shopping for goods to be able to extract sets of rules for commercialization.

Sentence Embedding for Vietnamese language using Siamese BERT-Network | 🦊 | 🌐

📅 August 2019 – June 2020

📍 Bachelor thesis

Input is a Vietnamese sentence and the output will be a fixed length vector. This vector represents the semantic and context of the input sentence. We can use them in transfer learning, information retrieval system, search engine, similarity system using cosine, etc.

Images Captioning in Vietnamese | 🌐

📅 August 2019 – January 2020

📍 Course project

Input is a image and the output will be description related to the one, Using inception v3 Pre-trained on ImageNet to extract feature then corresponding caption and put it into the LSTM network. Using BeamSearch to improve results when .

Information Retrieval | 🌐

📅 January 2019 — June 2019

💡 Course project

Build an image search system based on description. Input is an English sentence, output is the related images sorted by similarity. Using the reverse index to save and .

Pneumonia Prediction | 🌐

📅 August 2018 — January 2019

💡 Course project

Building a system for classification of X-ray images have pneumonia or not. Using CNN, hinge loss (SVM), cross-entropy loss (Softmax), Ensemble model and augmentation data.

Semantic Classification | 🌐

📅 August 2018 — January 2019

💡 Course project

Classify review sentences. Using LSTM, KNN have weighted K closest, Naive Bayes.

UltraViewer | 🦊

📅 January 2018 — June 2018

💡 Course project

UltraViewer application simulation, only in LAN and there are some new options such as locking the keyboard and mouse.

Othello (Reversi) | 🦊

📅 January 2018 — June 2018

💡 Course project

Building a AI player, UI is implemented on Unity, minimax alpha-beta, refer book, bot has mode from easy to difficult.
