Pham Van Minh
Software Engineer
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EDUCATION

Binh Duong University   **Binh Duong, Viet Nam**
Bachelor of Information Technology   Sep. 2019 - Aug. 2024
- **GPA:** 3.0 / 4.0;
- **Relevant Coursework:** Assembling, installing, and maintaining computers, Blockchain Technology, IoT, Android Development, CorelDraw, Photoshop

EXPERIENCE

Software Engineer
DB Plus   *Nov. 2024 - Present*
Project: FALCO
- **Description:** Developed and optimized API systems for the core AI to generate high-quality rendering images for interior and exterior design.
- **Responsibilities**:
  - Analyzed and designed APIs using Django REST Framework to connect with the Core AI generative ComfyUI.
  - Managed versioning and packaged services such as APIs and Core AI using Docker.
  - Deployed the system on a Linux server.
- **Technologies:** Python, Django REST Framework, Celery, Nginx, Docker

Project: NEXUS
- **Description:** Additionally, designed and implemented a mobile application that seamlessly connects customers with the ERP system, allowing real-time monitoring and management of project information.
- **Responsibilities**:
  - Analyzed requirements and planned the development of modules for the Nexus app.
  - Developed business functionalities integrating with the ERP system for the Nexus app.
  - Supervised, managed, and guided Frontend developers in building the app's interface based on business functionalities.
- **Technologies:** Flutter, MVVM

Web Developer
Nem Lien Viet   *Jun. 2024*
- **Description:** Developed an e-commerce website for advertising rubber mattress products, enhancing online visibility and sales potential.
- **Responsibilities**:
  - Analyzed and designed the website pages to ensure a user-friendly experience.
  - Developed the website interface and made it responsive using the Bootstrap framework to ensure compatibility across devices.
  - Managed and updated the website content to ensure relevance and accuracy.
  - Implemented the back-end server using the Django framework.
  - Managed and updated the website content to ensure relevance and accuracy.

- Deployed the system to hosting using cPanel, ensuring a smooth launch and reliable operation.
● **Technologies:** Python, Django, Bootstrap, cPanel, SQLite

Back-end Developer
Song Anh Construction Materials Trading And Service Co., Ltd   Sep. 2021 - July 2022
● **Description:** Developed a system to support the digital transformation of the company's data collection and management, significantly improving data accuracy and operational efficiency.
● **Responsibilities**:
  ○ Analyzed and designed a MySQL database to align with the company's business operations and improve data management.
  ○ Developed a REST API using Django REST Framework to facilitate efficient data collection and management.
● **Technologies:** Python, Django REST Framework, MySQL

PROJECTS *(More projects and information in my portfolio)*
E-certificate Verification System
● **Description:** Developed an electronic certificate verification system. Encrypted and stored data in a decentralized manner using blockchain technology with a peer-to-peer validator network. This system minimizes certificate forgery and enhances transparency in the education system.
● **Responsibilities**:
  ○ Developed core blockchain technology based on the Proof of Work consensus mechanism.
  ○ Built a peer-to-peer network consisting of multiple validator nodes to verify, encrypt, and store data.
  ○ Created data verification mechanisms utilizing hash functions.
  ○ Developed a portal for user interaction with the blockchain network using Django and a Bootstrap-based interface.
  ○ Used React Native to develop a mobile application that securely stores teachers' private keys on their personal devices.
  ○ Deployed the entire system, including the blockchain network with validators and the portal, to Azure cloud infrastructure.
● **Technologies:** Python, Django & Django REST Framework, React Native, Bootstrap, JSON, Azure, Apache2, Linux

Vehicle Detection and Counting System
● **Description:** Developed a system for recognizing vehicles and analyzing traffic flow through cameras. This system facilitates digital transformation by automating the process of traffic flow statistics on roadways.
● **Team size:** 2
● **Role:** Back-end developer, Lead
● **Responsibilities**:
  ○ Guide for teammates to create a tool for automatically collecting large volumes of image data from the internet.
  ○ Oversaw the collection and labeling of image data for the training dataset before model training.
  ○ Trained a real-time vehicle detection model using YOLOv5, adjusting training parameters to enhance the model's accuracy.

- ○ Applied the DeepSORT object tracking model to identify vehicles after detection, supporting traffic flow statistics.
  - ○ Developed a web-based monitoring and statistics system using Django.
- **Technologies:** Python, Django, YOLOv5, DeepSORT

TECHNICAL SKILLS

Programming Languages: Python, Flutter, Java, Javascript, HTML/CSS, C++
Cloud Services: Azure, Firebase
Database: MySQL, SQLite, PostgreSQL
Server: Linux, Windows
Tools: Git, Docker, Postman, Arduino IDE, Android Studio, VS Code
Framework: Django, Django REST Framework, PyQT, Bootstrap
Libraries: Pandas, NumPy, PyTorch, TensorFlow, Selenium, NLTK
Languages: Vietnamese, English
Soft-skills: Teamwork, Communication, Logical Thinking, Innovative and Creative Thinking