Lam Tuan Vu

Senior Software Engineer

> Results-driven Full Stack Developer with 8+ years of comprehensive experience in enterprise software development, specializing in fintech, cryptocurrency, and Lightning Network implementations. Proven track record of leading cross-functional teams and delivering high-impact solutions that drive business value. *Strong expertise in problem-solving and critical thinking, with demonstrated ability to quickly master new technologies.*

PERSONAL INFORMATION

- Address: Tan Phu, Ho Chi Minh City,
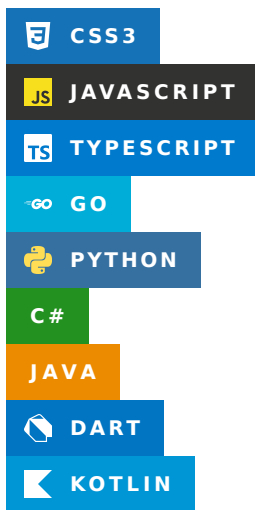- Date of birth: 02/07/1992
- Phone: 0985 285 077

SKILLS

Technologies

- REACT NATIVE
- REACT
- GO
- NODE.JS
- BITCOIN
- NEXT
- MUI
- REDUX
- LIGHTNING NETWORK
- SHADCNUI

Languages

- HTML5

CSS3

JAVASCRIPT

TYPESCRIPT

GO

PYTHON

C#

JAVA

DART

KOTLIN

Infrastructures

DOCKER

CLOUDFLARE

GITHUB ACTIONS

GITLABCI

GIT

JIRA

WEBPACK

MONGODB

POSTGRES

WORK EXPERIENCE

Neutronpay Inc - A Lightning Infrastructure Company

August 2022 – present

Senior Fullstack Developer / Tech Lead

Full-time

Lead full-stack developer specializing in *Lightning Network, Bitcoin, ReactJS, React Native, and NodeJS* development using *TypeScript, JavaScript, Golang, HTML, CSS*

> DevOps engineer managing *GitHub Actions and Digital Ocean* infrastructure

TMA Solutions

November 2016 – August 2022

Fullstack Developer / Team Lead

Full-time

> Fullstack developer with *ReactJS, NodeJS, Spring Boot* using *Typescript, Java, HTML, CSS, Git, Docker*

Mobile Application Developer / Team Lead

Full-time

> Mobile app developer with *React Native, Android Native, Flutter* using *Typescript, Dart, Kotlin, Java*

Python/Typescript Developer

Full-time

> Tools developer with *Python* (for package management tool development) and *Typescript* (for visual studio code extension development)

Senior Software Engineer (QA)

Full-time

> Senior Automation test engineer using *Python, Jira, HP QC*

Software Engineer (QA)

Full-time

> Automation test engineer using *Python, Jira, HP QC*

NOTABLE PROJECTS

Lightning Payment Platform API

Enterprise-grade Lightning Network payment platform enabling businesses to process Bitcoin transactions with instant settlement and minimal fees
August 2022 - present

Role: Senior Fullstack Developer - Tech Lead
Team size: 5
Tech stacks: Lightning Network, Bitcoin, TypeScript, JavaScript, Golang, HTML, CSS, Git, Docker
Stakeholders: Product Owner, Web Development Team
Report to: VP of Engineering

Key Achievements:

- Architected and implemented a scalable Lightning Network payment API processing thousands of daily transactions
- Developed secure wallet management system with industry-standard encryption
- Created comprehensive API documentation and merchant integration guides
- Implemented real-time payment notifications and webhook system
- Integrated multiple Lightning Network node implementations
- Maintained 99.9% platform uptime
- Reduced payment processing fees by over 80% compared to traditional methods
- Established automated CI/CD pipeline using Docker and GitHub Actions

Mobile Wallet with Lightning and Bitcoin Support

A mobile wallet application that enables users to send and receive Bitcoin payments through the Lightning Network with instant settlement and low fees

August 2022 - present

Role: Fullstack Developer - Tech Lead

Team size: 5
Tech stacks: ReactJS, React Native, NodeJS, Lightning Network, Bitcoin, Typescript, Javascript, Golang, HTML, CSS, Git, Docker
Stakeholders: Product Owner, Mobile developers, Web developers
Report to: VP of Engineering

Notable Achievements:

- Developed and launched a user-friendly mobile wallet application for both iOS and Android platforms
- Implemented secure biometric authentication and encryption for wallet security
- Created seamless QR code scanning for Lightning Network payments
- Built real-time transaction history and balance updates
- Integrated push notifications for payment events
- Achieved 20k+ downloads across app stores
- Maintained 4.5+ star rating with positive user feedback
- Reduced average transaction time to under 3 seconds
- Implemented a robust, fully automated KYC process
- Deployed and managed the wallet infrastructure on a popular cloud provider via Docker, Github Actions
- Built CI/CD pipeline to automate the build, test, and deployment process
- Successfully migrated the wallet from a legacy system to a new, more scalable architecture
- Rolled out the V2 version of the wallet with improved performance, robustness, scalability, security, and user experience

Pollution Management Platform

A platform used to monitor, manage, and analyze pollution data from various sources

January 2022 - September 2022

Role: Fullstack Developer - Team Lead
Team size: 5
Tech stacks: ReactJS, C#, .Net Core, Docker, Git

Stakeholders: Product Owner, Backend developers, Web developers
Report to: Project Lead

Notable Achievements:

- Hired by the customer as a Senior Frontend Developer.
- Actively took on backend tasks to minimize dependency on backend endpoints and ensure timely feature delivery.
- Nominated by the customer to lead all engineers from our side due to excellent communication, leadership, and responsibility.

Robot Control System

A Single Page Application used to Control, Manage, Monitor and Headless Configure a Mobile Robot using ROSLibJS, ReactJS and NodeJS technologies

January 2021 – January 2022

Role: Fullstack developer - Team Lead
Team size: 4
Tech stacks: ReactJS, NodeJS, ROS, ROSLibJS, EaselJS, Websocket, Docker, Git
Stakeholders: Product Owner (Director), ROS developers, Web developers
Report to: Product Owner

Notable Achievements:

- Took over the project from a web development team and resolved the main challenge in integrating the web UI with ROS to effectively control and visualize the robot data on the browser.
- Successfully bridged the gap between web development and ROS technologies, ensuring smooth integration and functionality.
- Utilized extensive web development experience and solid knowledge of ROS to achieve seamless operation.
- Delivered a robust solution that enhanced the overall performance and usability of the robot control system.
- Received commendation from stakeholders for effectively addressing and overcoming technical challenges.

Vesoir - Online Shopping Social Network

A fashion social network with online shopping functionality where people can find great outfits from their idols as well as process to buy those items if they want

October 2021 – June 2022

- **Role**: Fullstack developer - Team Lead
- **Team size**: 3
- **Tech stacks**: Flutter, NodeJS, Firebase, Firestore, Google Cloud Function, Typesense, Git
- **Stakeholders**: Product Owner, Mobile developer, Backend developer
- **Report to**: Product Owner

Notable Achievements:

- Joined the project to help fill gaps in backend development and web.
- Assisted the customer in restructuring the backend following development best practices (Single Responsibility, Test-Driven Development).
- Established trust and a good relationship with the customer through this project.

Pocket Tutor - Online Tutoring Platform

An online learning social network where students can post their questions, qualified teacher (Tutor) can answer the question then receive their allowance using React Native with New Feeds, Chat, Video Call features

July 2021 – December 2022

- **Role**: Mobile developer, Team Lead
- **Team size**: 5
- **Tech stacks**: React Native, ReactJS, NodeJS, Git, Docker, Twilio, Websocket
- **Stakeholders**: Product Owner, Mobile developers, Web developers, Backend developers, BA, Designer

- **Report to**: Product Owner

Notable Achievements:

- Successfully implemented a fully functioning mobile app that allows tutors and students to communicate and resolve students' questions.
- Joined the project with the responsibility of mobile app development.
- Acted as a contact point between the customer and development teams to clarify misunderstandings.
- Resumed and completed the project successfully despite initial miscommunication between the customer and other stakeholders (designer, backend development team, frontend team).

V-health - Health care system

A Health care platform where patient can track their health index, doctor can monitor biometric index. System can notify doctor, patient's relative once the biometric values reaches warning boundary

May 2021 – October 2021

- **Role**: Backend developer - Team Lead
- **Team size**: 5 (Project Size: 30)
- **Tech stacks**: Java (Sprint Boot), Flutter, VueJS, Docker, Git
- **Stakeholders**: Product Owner, Project Manager, BA, UI/UX Design, Mobile developers, Web developers
- **Report to**: Project Manager

Mobile Robot Tour Guide Application

An Android application that controls a mobile robot to act like a tour guide at a shopping store

July 2020 – December 2020

- **Role**: Android developer - Team Lead
- **Team size**: 2
- **Tech stacks**: Android Native, Git
- **Stakeholders**: Product Manager, Mobile developers

- **Report to**: Product Manager

Notable Achievements:

- Successfully collaborated with the manufacturer to build a real-world application that utilized robot functionalities to enhance user experience and reduce human effort in store guidance.
- Implemented core robot control features and navigation system for the store tour guide application.
- Delivered a stable and user-friendly interface for store staff to operate the robot guide.

Face Mask Detection Application

A mobile application runs on iOS/Android device, predicts the realtime image to detect the existing of mask on human face

January 2020 – July 2020

- **Role**: Mobile developer
- **Team size**: 1
- **Tech stacks**: React Native, Android Native, Git
- **Stakeholders**: Product Owner, Mobile developers
- **Report to**: Product Owner

Notable Achievements:

- Successfully integrated a pre-trained AI model for face mask detection with backend services during the COVID-19 pandemic
- Developed and implemented a React Native mobile application that performs real-time mask detection using device camera
- Built efficient API integration between mobile app and backend AI service for rapid mask detection predictions

Smart Sauna

An IOT control system where the mobile app can Configure, Control, Monitor iot device using Thingsboard platform

January 2020 – July 2020

- **Role**: Mobile developer
- **Team size**: 3
- **Tech stacks**: React Native, Git, Thingsboard (IOT platform)
- **Stakeholders**: Product Owner, Mobile developer, Designer, Embedded developer
- **Report to**: Product Owner

Notable Achievements:

- Successfully integrated Thingsboard IOT platform with React Native mobile app to enable remote control and monitoring of sauna devices.

EDUCATION

September 2010 – May 2015

University of Science - Ho Chi Minh City National University, Ho Chi Minh City
Bachelor's
- Major: Physical Electronic

PROFESSIONAL PROFILES

 HTTPS://GITHUB.COM/LAMTUANVU
 HTTPS://WWW.LINKEDIN.COM/IN/LAMTUANVU