



## Nguyen, Dang

Fullstack Node.js Developer - Freelancer



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### About

I bring nearly 10 years of experience as a software developer, with expertise in both backend and frontend roles. My skill set includes a strong foundation in object-oriented programming (OOP), data analysis, data structures, and algorithms.

I have an in-depth understanding of Java, covering advanced concepts such as reflection, collections (including inbound and outbound wildcards), Spring Boot, Spring Security, JPA, Hibernate, and Lombok. On the frontend, I excel in JavaScript, including both Vanilla JS and frameworks like React, as well as TypeScript. My OOP knowledge extends to advanced topics like prototypal inheritance and metadata reflection, enabling me to build efficient and scalable web applications. I specialize in writing high-performance JavaScript and crafting custom solutions with raw CSS to create user-centric, accessible designs, without depending on frameworks like Bootstrap or Tailwind.

I also have solid expertise in UML design, modeling, and database schema development.

My professional experience includes working closely with customers to gather requirements, performing business analysis, and conducting technical evaluations.

Slogan: Nothing is impossible.

### Summary

Java: Java Core, OOP, Design Pattern, Spring Boot, Maven, JPA, Hibernate, Lombok

Frontend HTML/Javascript/CSS: Vanilla JS, OOP, Prototype, Bootstrap, OpenLayers, CSS Less, SASS, React Js, React Native.

Node JS: OOP, Decorator Reflect MetaData, Electron, Express.js, Nest.js, Cluster, PM2, Puppeteer, Webpack, Gulp

DataBase: MySql, PostgreSQL, MongoDB

WebRTC: MediaSoup, Kamailio Server, Asterisk Server, FreeSwitch, FFMPEG

Load balancers: Keepalived, HAProxy, NginX, Apache2, Redis catching, Redis Pub/Sub, NATs, RabbitMQ

OS: Windows, MAC OS X, Linux Fedora, Ubuntu, Pop!\_OS, Debian, CentOS

Other Tools: Docker, Git, Redmine, Svn, Jira, Docker, Rancher, Jenkins, Atlassian, Confluence

### Skill

Node JS (9/10)

HTML (9/10)

CSS, LESS, SASS (9/10)

PostgreSQL (8/10)

Java (8/10)

MongoDB (7/10)

Kubernetes (6/10)

Linux (7/10)

## Experience

### ● Fullstack Node.js Developer

*Freelancer · remote**Sep 2024 - Present*

#### **Beings (1 months)**

Role: Fullstack Node.js

Create innovative software businesses use for customer & market research. AI note-taking & analysis for research

Backend: Nodes.js - Nest.js, graphql, typeorm, MySql

Frontend: React.js

#### **Standage ltd (3 months)**

Role: Fullstack Node.js

Standage DigiTrad is a trade digital transformation platform that improves efficiency and digitalizes business processes, allowing trade operations to proceed more quickly and smoothly

Backend: Nodes.js - Nest.js, typeorm, Postgres

Frontend: React.js, Chart.js

### ● Software Engineer

*VNPT IT · Full-time**Mar 2021 - Sep 2024 · 3 yrs 6 mos*

#### **GoMeet**

Role: Team Leader

- GoMeet - is a high-quality video calling app designed to help you have meaningful and fun interactions with your friends, family, colleagues, and classmates, wherever they are. It's the only app that has communities, events, chats, share files, meetings, preseting in one place.

Languages and technologies:

- Backend: NodeJS Microservice - Express.JS, Socket.io, MediaSoup Server, Redis, MongoDB, NATs.

- Frontend: Angular, React.JS, Socket.IO - client, MediaSoup Client.

#### **Live Stream Server**

Role: Team Leader

Create web client capture screen and live stream to RTMP Server such as Youtube, Facebook or any other CDN LiveStreaming Server

Create client record with headless browser join to the meeting such as Google Meet, Zoom, Microsoft Teams ...

Languages and technologies: Node.js, Puppeteer, XVFB, FFMPEG

#### **VCP - Video Call Platform**

Role: R&amp;D (work independent)

- R&amp;D learning about VOIP Server

- Build Call Center system with Asterisk Server, Kamailio Server.

#### **iQMS**

Role: Software Developer

VNPT iQMS provides complete solutions for the entire process of appointment booking - payment - ticket collection - reception - quality assessment and supports information setup for units/hospitals.

Languages and technologies: Java Spring Boot, Spring Security, Hibernate, Mongoddb, Log4j, Kafka, Swagger, Lombok, redis, MQTT, Node.js - Electron

### ● Senior Software Engineer

*Evolus VN · Full-time**Nov 2017 - Feb 2021 · 3 yrs 2 mos*

#### **NBC Sport Engine**

Role: Fullstack Java Web Developer

- NBC Sport Engine - Club team manage student registration, Lesson classes training and competition, Business analytics, statistic report.
- Java: Write services api for mobile and web. Connect database (PostgreSQL), aggregate data response JSON data.
- JavaScript/HTML/CSS: Vanilla JS prototype component, HTML flex-box layout, Less CSS.
- Others: Node JS: Express JS + React JS + Gulp Babel

#### • Software Developer

NEC VN · Full-time

Nov 2014 - Aug 2017 · 2 yrs 8 mos

##### Waseda University

Role: Web developer for both front-end and back-end

- Java: Spring Frameworks, Velocity, myBatis
- Front-end: jQuery, Ajax, Angular, Cordova
- Self-learning: Python, Django, Angular, TypeScript, NativeScript

#### • Web Developer

ESI Tech, Vietnam · Full-time

May 2013 - Sep 2014 · 1 yrs 4 mos

Role: Software Developer

Write JavaScript, jQuery, transform XML with XSLT file, draw chart with highchart, Map API (OpenLayers, Google Map), jQuery pages with JSON data

Environment: Linux (Oracle Linux, Fedora 18/19/20).

## My Free Time Projects

### Media Monitor

<https://github.com/dragonfly6373/media-monitor>

There is a demo where you can live streaming on Youtube or any RTMP Server, or record any web session to media file and playback

### Logger JS

<https://github.com/dragonfly6373/logger-js>

Write node backend log to file and console 4 different levels of logging in a specific order: 'error', 'warn', 'info', 'debug'

### Font Icons

<https://github.com/dragonfly6373/font-icons>

Python Script create font icons file from svgs. Output: myfont-icons.afm, myfont-icons.eot, myfont-icons.woff, myfont-icons.ttf, myfont-icons.woff2

## Education

### Engineers's degree, Information Technology

WRU (Sep 2008 - Dec 2012)

Grade: Good

### English

TOEIC - Communication

## Activity



Badminton



Cycling



Swimming



Reading Book