LƯU CÔNG MINH

SOFTWARE ENGINEER

(+84) 886002391 | lcminhhp@gmail.com | 31/08/1999

linkedin.com/in/lcminhhp | github.com/Kuro091/

ABOUT ME

Confident in troubleshooting skills. – Each solution, be it in programming or architectural, that I deliver all has been well-researched beforehand.

Excited and motivated to learn more – As the world of technology changes daily, I always try my best to keep up to date with the best practice for robust programming. I take pride being a **quick learner.**

EDUCATION

Tran Phu High School for the Gifted

09/2017 | **Hai Phong, Vietnam**

Graduated with 3.7 GPA

FPT University

09/2017 – 04/2021 | **Ha Noi, Vietnam**

Graduated with 3.2 GPA

WORK EXPERIENCE

FPT Software (intern) (09/2019 – 12/2019): Worked as an intern at FPT.

FPT Software (employee) (01/2020 – 04/2022): Worked as a full-stack developer at FPT on different outsource projects. (Please refer to the ***Projects*** section for my listed public works).

Upp Technology Global (employee) (05/2022 – 09/2023): Data Analytics & AI Start-up. Outsourcing on the side.

IT Contractor/Freelancer (10/2023 – now): Fullstack Developer for two main clients, a startup from Estonia (via Upwork) and Boston Scientific from Singapore

SKILLS

Coding Languages:	Javascript, Java, C#, Python
Frontend Frameworks:	ReactJS, NextJS, VueJS, Angular| All with Typescript.
	Preprocessors: TailwindCSS, SASS. UI Lib: Material UI, Bootstrap, Charka, etc.
Backend Frameworks:	NodeJS with Express, NestJS, MongoDB with mongoose, GraphQL, Prisma
Backend Databases:	PostgreSQL, MySQL, SQLServer, Firebase etc.
Tools:	VS Code, Visual Studios, SQL Management Studio, Postman
Testing Framework:	Jest, React Testing Framework, Junit, Nunit, Selenium, Mockito, Moq
DevOps:	Docker, Docker Compose, Kubernetes, ArgoCD, Gitlab
Cloud:	AWS (most familiar), Azure, GCP, Alibaba Cloud

CERTIFICATES *(please refer to my LinkedIn to see my credentials)*

AWS Certified Cloud Practitioner & AWS Certified Solutions Architect - Associate (Amazon Web Services (AWS))
Issued Apr 2022 - Expires Apr 2025
Apollo Graph Developer – Associate & Apollo Graph Developer – Professional
Issued Dec 16, 2022 and Jan 11, 2023 respectively

SingHealth	Singapore government's site dedicating to healthcare.
singhealth.com.sg	
Client: SingGov, **Team size:** 30	

Tech:
SharePoint on premise 2013
C# .NET
Web languages (HTML, CSS, JS, JQuery)

What I do in the project (Fullstack Dev): Maintaining the 12 site collections. Fulfilling client's requests regarding custom solution utilizing SharePoint so that content team can deliver articles as seamlessly as possible. Taking precautions to make sure such an old technology is on par security-wise.

What I learned through the project:

- Ups and downs of having an on-premise system (having to manage everything on your own)
- Communicate effectively between teams and vendors, onsite and offshore.
- Navigating through a matured system, refactoring often as to keep tech debts at bay.
- Keeping myself up to date on the site issues to come up with countermeasures as soon as possible.
- Keeping myself up to date with today's technology so that I do not fall behind.

YarnBank	Digital Library for Yarn
yarnbank.shimaseiki.com	
Client: Shimaseiki, **Team size:** 5	

Tech:
VueJS (Vue 2), Vuex and SASS for the frontend.
NodeJS w/ ExpressJS, PostgreSQL and Redis for the backend.
AWS for deployment.

What I do in the project (Fullstack Dev): Worked on both the frontend and the backend to deliver features. Resolving requests to enhance the user's experience, as well as security concerns for the project (on both backend, frontend and on AWS) as per client's requests.

What I learned through the project:

- CI/CD pipelines to ensure smoother deliver as well as better developer experience.
- How to efficiently work through the language barrier.
- How to efficiently visualize the data flow to better implement any requested features.
- Debugging on the cloud.
- Deeper understanding of the inner workings of NodeJS' event loop and Vuejs' reactivity system.

Novalearn	After-school learning platform
novalearn.org	
Client: Novalearn, **Team size:** 20	

Tech:
NextJS, CharkaUI, TailwindCSS, GraphQL for frontend.
NestJS, GraphQL, Prisma for backend.
Docker and Kubernetes, Rancher, ArgoCD for deployment, as well as Docker Compose for local development.

What I do in the project: (Fullstack Dev): Assessing client's requests and implementing them.

What I learned through the project:

- Deliver features in phrases.
- Working with a plethora of generators to avoid boilerplates.
- How to work with application for scale, multi-tenants deployments.
- Improve my understanding of CI/CD pipelines, as well as giving me the chance to work with more CI/CD tools.
- Enhancing UX. Accessibility is not to be ignored.

OpenComp	Compensation tool
Opencomp.com	
Client: OpenComp, **Team size:** 15	

Tech:
ReactJS, Redux, Bootstrap, Storybook, Webpack for frontend.
Ruby on Rails for backend.

What I do in the project (Frontend Dev): Worked mainly on the frontend. Implement complex reactive components for reuse.

What I learned through the project:

- Optimizing the frontend experience. Prevent component re-rendering through clever use of react composite nature.
- Developing and implementing a design system.
- Exposure to many tools to enhance the developer experience, like pre-commit tool like Husky.
- Working with a monorepo.
- Writing conventional commits.

Waste Collection Efficiency App	Application designed specifically for garbage truck drivers. It provides a visually intuitive map interface that allows drivers to effortlessly locate and identify garbage cans along their routes.
tablet.ekkt.eu	
Client: FutureVision, **Team size:** 10	

Tech:
ReactJS, Vite, Openlayers, Redux for client-side state, RTK Query for server-side state
NestJS Microservices for backend.
Deployed on Azure

What I do in the project: Worked on implementing features based on the user story.

What I learned through the project:

- Optimizing the frontend experience. Worked with OpenLayers API to draw a custom map solution, and ReactJS to build a UI around to interact with it.
- Communication. Working with a team of multiple specialized talents in different fields and linked projects requires everyone to be on the same page.
- Having clear observability on a SAAS in place and respond to errors quickly.
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