Lam Le Ly – Software Engineer

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Education

Vietnam Maritime University Hai Phong, Vietnam
Bachelor of Software Engineering. GPA: 3.31/4.0 September 2021 – August 2025 (expected)

Academic Achievements

- **3rd Place Winner** - School-level Computer Science Olympiad Competition

Certifications and Courses:

- TOEIC Certification
- Microsoft Office Specialist (MOS)

Skills & Core Knowledge

Programming Languages: Java, C++, SQL, JavaScript, PHP
Software & Tools: Postman, Git, MongoDB, MySQL, PostgreSQL
Frameworks: Node.js, Express.js, Vue.js, Laravel
Languages:

- English: Basic communication skills and ability to understand technical documentation

Projects

SanhuaAutoParts E-commerce Platform (https://sanhua-auto-parts.vercel.app/)
Technologies: Vuejs, Laravel, PostgreSQL

- Developed full-stack e-commerce platform for automotive parts with product catalog, shopping cart, multi-gateway payment integration, real-time chat support, product reviews, and order status tracking
- Built **RESTful APIs** using **MVC architecture** to enable efficient and scalable communication between the client and server
- Secured API access with JWT-based authentication and role-based authorization mechanisms
- Optimized performance with lazy loading, route-level code splitting, and SEO-friendly meta tags for better user experience and search visibility
- Deployed Vue.js on Vercel with CI/CD and hosted Laravel with PostgreSQL on Render for scalable deployment

IoT Autonomous Vehicle Control System (https://github.com/lamll301/btl-iot)
Technologies: Arduino, C++, Flutter, Firebase, Ultrasonic Sensors, Motor Controllers

- Developed a smart autonomous vehicle system supporting both real-time remote control and self-navigation with ultrasonic-based collision avoidance
- Built a cross-platform Flutter app integrated with Firebase Realtime Database for cloud-based vehicle control and live data monitoring
- Programmed Arduino with C++ to interface with ultrasonic sensors and motor controllers, ensuring precise navigation and reliable obstacle avoidance in dynamic environments
- Optimized system performance for low-latency communication between the vehicle and the cloud, enhancing responsiveness and user experience

Personal Portfolio (https://lamll301.github.io/cv/)
Technologies: HTML, CSS, JavaScript, Tailwind

- Developed a responsive and modern personal portfolio to showcase skills, projects, and professional background
- Deployed the site on GitHub Pages for efficient hosting and easy version control

Watch Shop (https://github.com/lamll301/watch-shop)
Technologies: Node.js, Express.js, MongoDB

- Developed a responsive e-commerce platform using Node.js, Express.js, and MongoDB for efficient product and user data management
- Created a user-friendly front-end interface to ensure seamless navigation and an intuitive shopping experience
- Optimized database queries and server performance to enhance application speed and scalability

Hobbies & Activities

- In my free time, I enjoy reading books, jogging, and listening to music to relax and recharge
- I also work on programming projects to enhance my skills and apply new knowledge. My projects can be viewed at github.com/lamll301
- Additionally, I solve coding challenges on LeetCode to sharpen my problem-solving skills and improve algorithm efficiency