

CURRICULUM VITAE

Fullname: Nguyen Hoang Thong

Position: Junior Fullstack Developer

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WORK EXPERIENCE

Softworld Technology

Jul 2024 - Oct 2024

HCMC, VietNam

Role : Software Engineer Intern

- Developed and maintained web applications using Next.js, React, and Laravel
- Implemented RESTful APIs and optimized backend performance
- Gained hands-on experience in database management, authentication, and cloud deployment
- Researched and implemented AI-powered applications using LangChain, integrating LLMs (Large Language Models) for chatbot development and automation tasks.

MindX Technology

Jan 2023 - Dec 2024

HCMC, VietNam

Role : Programming Instructor

- Teaching Python, JavaScript and Web Development courses to students aged 6-18.
- Designing and implementing practical projects on Scratch, GameMaker and Robotics.
- Guiding students in problem solving and algorithmic thinking.
- Training and guiding students to take the national net-gen exam

SteamZone

Sep 2024 - Dec 2024

HCMC, VietNam

Role : EdTech Engineer & Instructor

- Developing and programming IoT model devices using C++, improving automation and real-time data processing capabilities
- Technical support for installation and troubleshooting of CNC machines, 3D printers and robotic systems
- Designing and programming robotic applications using JavaScript and Python, optimizing functionality and performance
- Teaching advanced computer science at primary level (Truong Quyen School), combining hands-on STEM activities to develop creativity and problem-solving skills for students.
- Developing STEM-related curriculum and products, game programming curriculum.

Role : Full stack Developer

- NestJS Microservices: Services built for Booking, Payments (Enterprise, Nationwide), Partners, Notifications and Search
- MySQL (TypeORM): Manage bookings, transactions, commissions
- Elasticsearch: Search hotel data and update in real time
- Redis: Store search results and availability
- RabbitMQ: Handle asynchronous tasks (emails, notifications, data sync)
- Stripe: Integrated international and enterprise payment system
- Nodemailer / FCM: Send emails and push notifications
- 3rd party API: Integrate with Booking.com to track room availability and book directly
- Frontend: Next.js (React), React Native for mobile apps
- DevOps: Docker, Kubernetes, Prometheus, ELK Stack, AWS
- AI / Big Data: TensorFlow.js, Google BigQuery
- PHP (Laravel): Build an education platform Similar to Udemy with course listings, teacher/ student roles and progress tracking.

Quoc Duy**March 2025 – Present**

HCMC, VietNam

Role : Full stack Developer

- Develop and deploy full-stack ERP, accounting, and time attendance systems using React, Node.js, React Native, and PHP (Vtiger).
- Build scalable infrastructure on AWS (EC2, RDS, S3, Rekognition) with Docker, Kubernetes, and CI/CD pipeline.
- Integrate Apache Kafka and Zookeeper for real-time data streaming and microservices communication.
- Handle multiple databases (PostgreSQL, MySQL, MongoDB, Redis) with optimization, indexing, and caching. Implement robust security protocols including OAuth2, JWT, RBAC, and data encryption. Custom CRM (Vtiger), mobile apps (React Native), and biometric/ QR-based time attendance solutions. Focus on performance, scalability, and maintainability throughout every phase of development and deployment.
- Developing ERP and EKYC mobile apps
- Deploying and installing fire alarm systems, building server networks. Building IOT automation systems, AI access authentication

TECHNICAL SKILLS

Programming Languages & Databases: AWS, JavaScript, TypeScript, PHP, C/C++, Java, Python, Node.js, SQL, MongoDB, GraphQL, Sass, XML, PUG, Blockchain(Solidity)

Libraries & Frameworks: React, NextJs, NestJs, Vue, NuxtJs, AngularJS, Laravel, Bootstrap, Tailwind CSS, WordPress, ExpressJS, Vtiger, React Native, Yolo, LangChain, Tensorflow

Design & Prototyping: Figma, Photoshop, Illustrator

Project Management: Trello, Jira, ClickUp, GitHub, GitLab

Operating Systems: Windows, Ubuntu, macOS, Linux

App – Web – ERP –CRM QuocDuy,

quocduyapp(ios, android) – quocduy.com.vn – quocduygroup.com/vtiger
semac.com.vn – quocduy.com.vn – himag.com.vn – kingwoodmac.com

Role : Full stack

Tech Stack: Vtiger – Aws – Nodejs – React Native – OpenCV – React – Docker – Kafka – Wordpress

- ERP/CRM System: Customized and extended Vtiger CRM at quocduygroup.com/vtiger to manage sales, customer service, warehouse, procurement, and HR processes. Integrated approval workflows, custom reports, and internal communication features
- Mobile App (quocduyapp – iOS/Android): Developed with React Native, allowing sales teams and managers to access ERP functions on the go—inventory lookup, order management, task tracking—synchronized in real time with the backend
- Corporate Website (quocduy.com.vn): Built using WordPress, optimized for SEO, fast loading speed, and mobile responsiveness. Includes landing pages, blog, and contact forms to support digital marketing and lead generation strategies
- Backend & Integration: Connected all services via Node.js APIs, real-time data handling with Kafka, containerized deployment using Docker, and hosted on AWS (EC2, RDS, S3) for scalability, reliability, and performance
- Advanced Features Integrated OpenCV for automatic image/document recognition in CRM (e.g., product photos, invoice scans)
- Built custom dashboards and real-time notifications for user activity tracking and business intelligence.

Web – TImGroup, Freelancer ...

tuvanduhoc.org – tiimhotel.vn – tiimtravel.vn – galaxychess.net

Role : Full stack

Tech Stack: PHP (Core PHP or Laravel as preferred), JavaScript, MySQL – Wordpress...

- Developed secure, scalable web platforms with strong focus on performance and usability.
- Applied input validation, file upload control, and CSRF protection.
- Built SEO landing pages, newsletter system, and social sharing features.
- Implemented hotel search, real-time booking, partner/admin dashboards, and multi-gateway payments (VNPAY, Momo, PayPal).
- Created multi-step forms, document uploads, admin review tools, and automated email notifications.
- Developed custom WordPress theme, tournament plugin, ELO ranking, Stripe/PayPal integration, and performance optimization.