



**LE DAI HOANG  
NGUYEN**

*Backend (Nodejs) and  
Frontend (React)  
Developer*

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## SUMMARY

I am a software engineer with 3 years of professional experience, especially in Node.js. While my background is in full-stack, I also have grown a deep passion in creating scalable, efficient backend systems. I own consistent motivation in self-learning so I thrive to learn new technologies, improve my ability to write clean as well as reliable code. I'm currently seeking a remote, hybrid, or local position near my area to contribute my skills and grow professionally.

- + Projects take part in: 10
- + Product type: web app
- + Work platform: Jira, Asana, Trello
- + Work fields take part in: Game, Finance, Sales, NFT, Health Quarantine, Fitness...

## EXPERIENCE

**Jul 2024 - Present**

### ***FREELANCER***

#### ***Project: Teamfight lol***

**Role:** Frontend developer

**Description:** Teamfight.lol is a platform for Teamfight Tactics (TFT) players, offering tools to analyze champion stats, item performance, and team compositions. It features a team builder to experiment with strategies and share lineups, along with leaderboards to track top players and trends.

**Team Size:** 5

#### ***Responsibilities***

- Communicated directly with U.S. clients to discuss requirements, clarify expectations, and estimate timelines for new features.
- Ensured a responsive web design that meets performance and usability standards across devices.

**Technologies Used:** Vuejs

**Reference:** <https://teamfight.lol/>

#### ***Project: Satorie***

**Role:** Frontend developer

**Description:** Satorie.co offers CFO and strategy consulting services tailored for small and medium-sized businesses (SMBs).

**Team Size:** 4

### ***Responsibilities***

- Initialized project repositories and ensure smooth integration of essential libraries, such as email services.
- Collaborated with developers to design, develop the application.
- Optimized applications for SEO and ensure responsive web design across devices.
- Deployed applications to production environments and monitor for any post-release issues.

**Technologies Used:** Reactjs, Nextjs

**Reference:** <https://satorie.co/>

**Oct 2021 - Jun 2024**

### ***HD WEBSOFT***

Address: HDWEBSOFT BUILDING, 15 Thép Mối, Ward 12, Tân Bình District, HCMC 70000

***Project: Airmason***

**Role:** Backend developer

**Description:** Airmason is an app that helps us create and manage employee handbooks and other essential documents. It offers an intuitive, online editor that feels like building a PowerPoint, making the process simple and efficient.

**Team Size:** 2

### ***Responsibilities***

- Communicated with U.S. clients to discuss requirements, clarify expectations, and estimate timelines for new features.
- Developed new APIs and maintained existing ones to optimize performance and reduce latency.
- Integrated Human Resource Information Systems (HRIS) such as OneLogin, Okta, and BambooHR...
- Designed and implemented database structures.
- Wrote and optimized SQL queries.
- Ensured data integrity and security.
- Performed data migrations and backups.
- Ensured database synchronization with model changes to maintain data consistency.
- Implemented robust security measures to protect the application from vulnerabilities: Content Security Policy (CSP), Cross-site Scripting (XSS), Insecure Cookies, Denial of Service (Alias Overloading, Field Duplication, Batching Attacks...)...
- Handled concurrent requests to ensure efficient and reliable API performance.
- Implemented authorization and authentication mechanisms to secure API access.
- Developed features to export data in CSV and PDF formats for user accessibility and reporting.

- Conducted testing, identified bugs, and applied necessary fixes to ensure product stability.
- Participated in daily stand-ups to report progress, address blockers, and escalate risks as needed.

**Technologies Used:** Node.js, Express.js, MySQL, TypeORM, GraphQL, OAuth 2.0, JWT, Basic Auth, Google Cloud Platform, Microsoft Azure, Redis.

**Reference:** <https://airmason.com/>

### *Project: Boho*

**Role:** Backend developer

**Description:** BOHO will enable retailers using VEND Point of Sale to offer a charitable contribution offering to their customers. Customers can elect to join the program and a percentage of their purchase will go directly to the charity of their choice. The charities that the customer selects will be designated by each retailer.

**Team Size:** 5

#### *Responsibilities*

- Wrote and managed API resources to ensure seamless performance across devices.
- Implemented authorization and authentication mechanisms to secure API access.
- Integrated VEND API.
- Designed and implemented database structures.
- Wrote and optimized NoSQL queries.
- Ensured data integrity and security.
- Performed data migrations and backups.
- Built reusable code and libraries to accelerate future development.

**Technologies Used:** Node.js, Express.js, MongoDB, Typegoose, GraphQL, OAuth 2.0, JWT, Redis.

**Reference:** <https://boho.hyperspaceportal.com/>

### *Project: Cadence Bike*

**Role:** Backend developer

**Description:** Developed three websites for Cadence, a bike subscription service, tailored for Admin, Employer, and Employee roles. Admins manage bikes, helmets, taxes, and generate reports; Employers handle employee subscriptions, payments, and group management; Employees join groups, manage their subscriptions, and track status. This multi-tiered system streamlines subscription management and ensures a user-friendly experience for all stakeholders.

**Team Size:** 10

#### *Responsibilities*

- Developed serverless functions using Node.js and AWS Lambda.
- Integrated MongoDB for efficient data storage, retrieval, and manipulation within serverless functions.
- Wrote unit tests to ensure code quality and reliability of serverless functions.

- Debugged and troubleshooted serverless functions to identify and resolve issues.
- Collaborated with team members to ensure seamless integration of serverless functions with other systems and services.

**Technologies Used:** Node.js, Express.js, AWS Lambda, MongoDB, Mongoose, JWT, Jest.

### *Project: CrowdClip*

**Role:** Backend developer

**Description:** CrowdClip uses AI technology to detect faces based on the origin video and faces with up to 90% accuracy.

**Team Size:** 10

#### ***Responsibilities***

- Updated and maintained existing API functions to ensure optimal performance.
- Wrote and managed new APIs to meet evolving business needs.
- Estimated timelines for the development of new features accurately.
- Collaborated with team members to align API functionality with project goals.

**Technologies Used:** Node.js, Express.js, MongoDB, Mongoose, RESTful APIs, JWT, Amazon Web Services

**Reference:** <https://crowdclip.com/>

### *Project: PAG*

**Role:** Backend developer

**Description:** PAG is a private system to manage office staff with multi functions such as view evaluations, performance summaries, export reports...

**Team Size:** 6

#### ***Responsibilities***

- Updated and maintained existing API functions to ensure optimal performance and reliability.
- Wrote and managed new APIs to support new features and system enhancements.
- Estimated timelines accurately for the development and implementation of new features.
- Tested APIs, identified bugs, and applied necessary fixes to maintain functionality.
- Optimized code for maximum speed, scalability, and efficiency.
- Collaborated with team members to ensure seamless integration and performance across services.
- Designed and implemented database schemas utilizing Materialized Path (Path Enumeration) in TypeORM to efficiently manage hierarchical data.

**Technologies Used:** Node.js, Express.js, MySQL, TypeORM, GraphQL, JWT.

### *Project: Framely*

**Role:** Backend developer

**Description:** Framely website is one of NFT market places that brings artists and creators together on a single platform to buy, sell, and trade rare digital goods.

**Team Size:** 2

***Responsibilities***

- Designed and implemented database structures.
- Wrote and optimized SQL queries.
- Ensured data integrity and security.
- Wrote and managed API resources to ensure seamless functionality across devices.
- Developed the Framely SDK for the frontend to streamline API integration.
- Collaborated with frontend developers to ensure smooth communication between the SDK and APIs.
- Ensured API resources are well-documented and reusable for future projects.

**Technologies Used:** Node.js, Express.js, PostgreSQL, TypeORM, RESTful APIs, Microservices Architecture, JWT.

***Project: My Fitness Studio***

**Role:** Backend developer

**Description:** My Fitness Studio is an app to specialize in personal health and fitness solutions: personal training with a genuine concern for your unique journey.

**Team Size:** 2

***Responsibilities***

- Updated and maintained existing API functions to ensure continued performance and reliability.

**Technologies Used:** Node.js, Express.js, DynamoDB, Elasticsearch.

**Dec 2017 - Jun 2021**

**INTERNATIONAL HEALTH QUARANTINE CENTER OF HCMC**

**Address:** 40 Nguyen Van Troi, Ward 15, Phu Nhuan District, HCMC

**Position:** Health quarantine staff

***Responsibilities:***

- Built and developed a health quarantine declaration system using Selenium libraries, MS Excel, and VBA to automate the collection of guest information at entry points.
- Conducted testing and debugging to ensure system reliability and accuracy in data collection.

**EDUCATION  
BACKGROUND**

**CYBERSOFT - CYBERLEARN PROGRAMING EDUCATION CENTER**

Major: Full-stack web developer

**PHAM NGOC THACH UNIVERSITY OF MEDICINE**

Major: General Practitioner

## **SKILL**

### **Programming Languages:**

- JavaScript
- TypeScript

### **Web Development:**

- HTML, CSS
- Node.js, Express
- MySQL, MongoDB
- React

### **API Development:**

- REST
- GraphQL

### **Tools & Platforms:**

- GitLab, GitHub
- AWS, GCP
- Docker (including writing Dockerfiles and building/deploying apps)

### **Testing & Debugging Tools:**

- Jest
- Postman

### **Version Control:**

- Git

### **Methodologies:**

- Agile/Scrum
- Awareness of Microservices and Serverless Architecture
- Awareness of CI/CD

### **Soft Skills:**

- Ability to Work Under Pressure
- Time Management Skills
- Teamwork Skills
- Good in English (both communication and writing skills)

## **LANGUAGE**

Vietnamese, English