

# Vo Minh Khang

Software Engineer

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## Summary

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I am a final year computer science student with **8 months of experience as a full-stack developer at AIoT Lab VN**, specializing in **ReactJS, JavaScript, ExpressJS, and MongoDB**. Proficient in building web applications, I am eager to take advantage of my experience to drive innovative projects.

## Education

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2021 - Present

Bachelor of Computer Science at **International University - VNU**

**Relevant Coursework:** Data Structure and Algorithms, Object-Oriented Analysis and Design, Digital Logic Design, Software Engineering, Computer Networks, Principles of Programming Languages, etc.

## Work Experience

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### UNIT Technology Corporation

Jul 2024 – Sep 2024

As a **Frontend Developer Intern at UNIT**, I gained valuable experience working on internal company projects, enhancing my skills in **MUI, React Hook Form, and Redux**. This role provided hands-on learning in modern front-end technologies and allowed me to apply them effectively in real-world scenarios.

#### Responsibilities:

- Developed and maintained intuitive user interfaces using **ReactJS, MUI, React Hook Form** ensuring seamless user experiences and adherence to design specifications.
- Collaborated with cross-functional teams to debug front-end issues and optimize website performance.


#### Projects:

- **5PM Internal Project:** An internal web application designed for managing employee attendance and time-tracking for UNIT Technology Corporation, streamlining check-in/check-out processes and enhancing workforce management efficiency.

**Technologies:** ReactJS, PostgreSQL, .NET.

#### Responsibilities:

- Implemented a web-based product introduction page using ReactJS, MUI incorporating responsive design and interactive UI components to effectively communicate the application's features and benefits to internal stakeholders.
- Developed features within the HR modules and optimized state management and API integration.

**Website Showcase:**  [CheckinPro](#)

### AIoT Lab VN, HCMIU

Sept 2023 – Present

As a full-stack developer of AIoT Lab VN, I've gained hands-on experience in IT projects, strengthening my skills in web development, IoT, problem-solving, and teamwork, preparing me for future challenges.

#### Responsibilities:

- Conducted scientific research and developed AI-based solutions for image retrieval and activity recognition, ensuring high accuracy and efficiency in processing real-world data.
- Collaborated on full-stack web application development to support research goals.

Projects:

- **Evallos** - Evaluation and Quality Assurance in Higher Education  
Evallos is a full-stack application developed for Nguyen Tat Thanh University to manage educational program structures, training program lists, and Course/Program Learning Outcomes (CLOs/PLOs). It features a responsive interface that streamlines administrative processes and supports lecturers in generating course input reports with simplified calculations, enhancing educational quality assurance.  
**Duration:** October 2024 - May 2025  
**Technologies:** ReactJS, ExpressJS, MongoDB.  
**Responsibilities:**
  - Designed and developed a responsive UI with **ReactJS** and backend with **ExpressJS** and **MongoDB**, improving user interaction through efficient rendering and scalable CRUD operations.
  - Optimized frontend performance for faster load times and backend efficiency for reduced API response times, enhancing overall system scalability.**Website Showcase:** [Evallos](#)

Personal Projects

**DOTKEPLER APPLICATION** September 2024 - December 2024

- Description:** An application that streamlines project management and boosts team collaboration with efficient task tracking and real-time communication.
- Technologies:** ReactJS, RTK Query, ExpressJS, MongoDB, Redis.
- Responsibilities:**
- Developed and maintained a responsive web application using ReactJS, leveraging HTML, CSS, and JavaScript to deliver intuitive and high-performance user interfaces.
  - Designed user-friendly UI/UX prototypes in Figma, ensuring seamless alignment with project requirements and stakeholder expectations.
  - Implemented global state management using Redux Toolkit, optimizing data flow and enhancing application scalability and maintainability.
  - Optimized application performance through efficient data caching with **RTK Query**, reducing redundant requests and improving response times.
- Repositories:** [DotKepler Client - Frontend](#) — [DotKepler Server - Backend](#)

**GIFT SHOP MOBLIE APP** September 2024 - May 2025

- Description:** The project introduces modern technologies like MongoDB and Express.js and demonstrates effective mobile app development with React Native. It also emphasizes the importance of collaboration within a large team, a crucial skill in software development.
- Technologies:** Javascript, React Native, NodeJS, ExpressJS, MongoDB.
- Responsibilities:**
- Developed and maintained backend services using Node.js and ExpressJS, implementing robust CRUD operations for MongoDB to ensure efficient data management.
  - Designed and implemented RESTful APIs, enabling seamless communication between the React Native frontend and MongoDB backend, with a focus on data integrity and security.
  - Wrote and executed comprehensive test cases, including unit and integration tests, to validate backend functions and APIs, achieving high reliability and application stability.
- Repositories:** [Gift Shop Mobile Application - Frontend](#) — [Gift Shop Server - Backend](#)

Skills

Programming	Java, Python
Web Development	HTML, CSS, JavaScript, ExpressJS, Node.js, ReactJS
Database	MySQL, MongoDB
Version Control	Git
Containerization	Docker