

# Nguyen Khac Ngoc Khoi

## Front-End Developer

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### Summary

- 1.5 years of experience as Web Developer.
  - Strong technical skills in complex development with frontend and backend (preferably frontend).
  - Experienced in programming, debugging, self-testing, deploying, and verifying requirements.
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### Skills

**Frontend:** HTML, CSS, JavaScript, React.js, Next.js, Redux, Bootstrap, Tailwind, TypeScript.

**Backend:** Node.js, Express.js, Redis.

**Database:** MongoDB.

**Deployment:** Docker, Google Cloud.

**Other:** Git, Slack, Linux.

**Foreign Language:** English (Intermediate).

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### Work experience

#### PROTONX

##### Front-End Developer

Ha Noi

Sep 2022 - Apr 2024

I developed an e-learning website to improve content management and student learning. Key features include:

- Designed and improved the user interface for a website that allows users to create and manage organization, classes and necessary teaching materials.
- Developed a user-friendly interface for students with features that support the learning process.
- Utilized the MERN stack across the project.

#### THE UNIVERSITY OF INFORMATION TECHNOLOGY

##### Research Assistant

Ho Chi Minh City

Jun 2019 - Mar 2021

Sensitive object detection:

- Researched basic and modern neural network architectures and their application.
  - Evaluated the performance of object detection models on custom datasets.
  - Working on object detection using model YOLO.
  - Apply model text and object detection on Chrome Extension.
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### Project

#### ProtonX Client

Sep 2022 - Apr 2024

**Domain:** <https://protonx.io>, <https://protonx.coursemind.io>

**Tech Stack:** JavaScript, React.js, Bootstrap, Redux, Next.js, TypeScript.

##### My responsibility:

- Analyzed user requirements, collaborated with customers to define layouts, and developed UI components with React.js and Bootstrap.
- Developed a [Smart Editor](#) for composing more quickly with the Content Completion Feature, combined with ChatGPT API.

- Developed powerful content creation tools, e.g., drag-and-drop quizzes and another type of quiz.
- Developed an advertising website for courses using Next.js, optimizing it for SEO.
- Deployed the website on Google Cloud.

#### ProtonX Server

Aug 2023 - Apr 2024

**Tech Stack:** Node.js, Express.js, MongoDB, Redis.

#### My responsibility:

- Developed and maintained APIs using Node.js, Express.js and MongoDB.
- Enhanced API response times by implementing Redis caching.
- Implemented automated email tools and integrated AI with the ChatGPT API for content creation.

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### Education

**VNUHCM - University of Information Technology (UIT)**

Ho Chi Minh City

Computer Engineering

Sep 2015 - Jun 2021

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### Publications

[LSPD: A Large-Scale Pornographic Dataset for Detection and Classification](#)

*IJIES*, 2021

Duy Phan, Thien Nguyen, Huy Nguyen, Loc Tran, **Khoi Nguyen** and Lung Vu

[A Novel Pornographic Visual Content Classifier based on Sensitive Object Detection](#)

*IJACSA*, 2021

Duy Phan, Thien Nguyen, Huy Nguyen, Loc Tran, **Khoi Nguyen** and Lung Vu

[Khảo sát bài toán nhận diện phương tiện và đo tốc độ phương tiện tham gia giao thông](#)

*FAIR*, 2020

Loc Tran, **Khoi Nguyen**, Duy Phan, Lung Vu

[Additional learning on object detection: a novel approach in pornography classification](#)

*FDSE*, 2020

Loc Tran, Huy Nguyen, Duy Phan, Thien Nguyen, **Khoi Nguyen** and Lung Vu

[Multi-level detector for pornographic content using CNN models](#)

*RIVF International Conference*, 2020

Huy Nguyen, **Khoi Nguyen**, Loc Tran, Thien Nguyen, Duy Phan and Lung Vu

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### Certification

Structuring Machine Learning Projects - Coursera

Oct 2021

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization - Coursera

Sep 2021

Neural Networks and Deep Learning - Coursera

Sep 2021

Tensorflow Developer Certificate - Tensorflow

Aug 2021 - Aug 2024