Nguyen Khac Ngoc Khoi

Front-End Developer

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Summary

- Two 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.

Skills

Frontend: HTML, CSS, JavaScript, React.js, Next.js, Redux, Bootstrap, Tailwind.
Backend: Node.js, Express.js, Redis.
Database: MongoDB.
Deployment: Docker, Google Cloud.
Other: Git, Slack, Linux.
Foreign Language: English (Intermediate).

Work experience

PROTONX   Ha Noi
Front-End Developer   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   Ho Chi Minh City
Research Assistant   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.

Project

ProtonX Client   Sep 2022 - Apr 2024
Domain: https://protonx.io, https://protonx.coursemind.io
Tech Stack: React.js, Bootstrap, Redux, Next.js.
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.

Education
VNUHCM - University of Information Technology (UIT)   Ho Chi Minh City
Computer Engineering   Sep 2015 - Jun 2021

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