KIEN THIET HOANG

BACKEND DEVELOPER

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EDUCATION

TON DUC THANG UNIVERSITY - (HO CHI MINH CITY)

BACHELOR OF SOFTWARE ENGINEERING

September 2017 - 2022   Current GPA: 6.62/10.

EXPERIENCE

FIX AND CARE AT TON DUC THANG UNIVERSITY - (JUNE, 2018 - OCT 2018)

COMPUTER TECHNICIAN

Supporting to repair computers, installing and guiding to use software.

PROJECTS

E-COMMERCE WEBSITE - *(MAY, 2021 - PRESENT)*

TECHNOLOGY USED: NodeJS, MongoDB, ReactJS, ExpressJS, Mocha & Chai, NYC Coverage reporter, Swagger API Specification, Docker Compose.

- Developing a web application for merchants. The application helps users manage their personal information and list of products.
- Using JWT token authentication user based on RSA SHA-256 mechanism and login authorization for Facebook, Google. There are also features send emails for user using Nodemailer module.
- CRUD features to manage list of products.
- Sign-in, Sign-up, Sign-out and User Profile for manage user information.
- Making HTTP calls using Axios and calling multipart API with file upload.
- Using ExpressJS on the server-side and MongoDB for database management.
- Using ReactJS with Material UI library on the client-side.
- API Specification using Swagger 2.0.
- Unit testing for API using Mocha & Chai and NYC for Coverage reporter.
- Built Docker Compose for the API, Database and working on how to deploy a complete application.

Github: https://github.com/smoothkt4951/KT-Ecommerce

SHORT INTRODUCTION

Fourth-year student in Software Engineering at Ton Duc Thang University. Aiming to use my knowledge to experience in a dynamic, professional environment. From there, improve my knowledge, personal skills, working attitude and contribute to the company's benefits.

SKILLS & KNOWLEDGE

#Python ★★★★★

The most familiar programming language proven by projects I have worked on related to AI, ML

#JavaScript ★★★★☆

Familiarity with ES6 and syntaxes through working directly with web application development

#HTML/CSS ★★★★☆

Basic skills and knowledge trained at the university with the background of working with web application development

#NodeJS ★★★☆☆

Understanding of API Communications and NodeJS frameworks such as ExpressJS, Socket.io, Mocha. Knowledge of database management and application security

#ExpressJS ★★★★☆

Always use ExpressJS on the server-side for my web applications. Basic knowledge and be able to develop ExpressJS applications

CHAT APPLICATION - (MAR, 2021 - MAY, 2021)

TECHNOLOGY USED: JavaScript, NodeJS, ExpressJS

- Realtime chat website using Web Socket protocol. The website has features such as Login and select Chatroom, list of users and chat together.
- Writing the backend that implements the Web Socket protocol.

GitHub: https://github.com/smoothkt4951/chatty

FILES MANAGEMENT WEBSITE - (FEB, 2021 - APR, 2021)

TECHNOLOGY USED: JavaScript, NodeJS, ExpressJS

- This site used Express and other modules to develop a File Management Website, has features such as: Account Registration, Login, and File/Folder Management.
- Used MySQL for Database management.
- Developed the backend API for login, register, logout and upload files in this project.

GitHub: https://github.com/smoothkt4951/FileManager

R E S E A R C H

KUBERNETES NOTEBOOK - (MAY, 2021 - PRESENT)

TECHNOLOGY USED: Docker, Kubernetes

- Researching about Containerization on Docker, Google Kubernetes for distributed application deployment and try to document what I learn in this GitHub repository and look forward to learning more about Containerization.
- Architecture of the Kubernetes Cluster and Containers, Workloads.
- Practie with exercies on Katacoda such as Deploy Single Node on Kubernetes Cluster, HPA, POD & Service using YAML manifest and practice with ReplicaSet, Deployment.

GitHub: https://github.com/smoothkt4951/kubernetes-notebook

MASSIVE DATA PROCESSING - (MAR, 2021 - MAY, 2021)

TECHNOLOGY USED: Python, Jupyter Notebook, Machine Learning, PySpark

- Researching about Massive Data Processing and synthesized as an instrumental study at GitHub.
- Finding Similar Documents Application with Locality Sensitive Hashing in Big Data.
- Machine Learning in PySpark and Recommendation System.

GitHub: https://github.com/smoothkt4951/Massive-Data-Processing-Course

#ReactJS ★★☆☆☆

Self study and familiarity with ReactJS using the Material UI library for my web application. Have basic knowledge to learn and work with ReactJS

#MongoDB, SQL Server ★★★☆☆

My applications all use MongoDB. Can develop and manage a basic database and use my knowledge about MongoDB, SQL Server to learn and work with database management.

#API Specification ★★★☆☆

Using Swagger 2.0 to describe the API in my web application I am developing

Unit testing ★★★☆☆

Can write unit testing for the API using Mocha framework and Chai library, using NYC for Coverage reporter. Can learn and work with the basic software testing process.

Docker, Kubernetes ★★☆☆☆

Researching about Containerization on Docker, Google Kubernetes for distributed application deployment. Basic about build and run applications with Docker Compose. Knowledge of the syntax, architecture of Docker, Kubernetes and using Portainer to deploy and manage the

GitHub ★★★★☆

Familiarity with GitHub proven

https://github.com/smoothkt4951/

S O F T   S K I L L S

- English (Reading documents, basic communication, email or report)
- Teamwork
- Writing and presentation skills
- Sustainable development skills